# REPORT OF ENVIRONMENTAL SECURITY TECHNOLOGY CERTIFICATION PROGRAM (ESTCP) UXO DISCRIMINATION STUDY SUPPORT ACTIVITIES

Former Camp Sibert Etowah and St. Clair Counties, Alabama

prepared for:

#### U.S. ARMY ENGINEERING AND SUPPORT CENTER HUNTSVILLE





Contract W912DY-04-D-0005

**Delivery Order 0016** 

prepared by: PARSONS

4890 University Square Suite 2 Huntsville, Alabama 35816

November 2007

Greg Nivens, P.E.		
QC Reviewer:		
	(Signature)	(Date)
Joe Cudney		
Project Manager:		
	(Signature)	(Date)

including suggestions for reducing	completing and reviewing the collect this burden, to Washington Headqu uld be aware that notwithstanding ar OMB control number.	arters Services, Directorate for Infor	mation Operations and Reports	, 1215 Jefferson Davis	Highway, Suite 1204, Arlington
1. REPORT DATE NOV 2007		2. REPORT TYPE <b>N/A</b>		3. DATES COVE	RED
4. TITLE AND SUBTITLE				5a. CONTRACT	NUMBER
-	mental Security Tec	0.0	on Program	5b. GRANT NUM	1BER
(ESICP) UXU DIS	crimination Study S	support Activities		5c. PROGRAM E	LEMENT NUMBER
6. AUTHOR(S)				5d. PROJECT NU	JMBER
				5e. TASK NUMB	ER
				5f. WORK UNIT	NUMBER
	ZATION NAME(S) AND AE niversity Square Sui	` '	bama 35816	8. PERFORMING REPORT NUMB	G ORGANIZATION ER
9. SPONSORING/MONITO	RING AGENCY NAME(S) A	ND ADDRESS(ES)		10. SPONSOR/M	ONITOR'S ACRONYM(S)
				11. SPONSOR/M NUMBER(S)	ONITOR'S REPORT
12. DISTRIBUTION/AVAIL Approved for publ	LABILITY STATEMENT ic release, distributi	on unlimited			
13. SUPPLEMENTARY NO  The original docur	otes nent contains color i	mages.			
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFIC	CATION OF:		17. LIMITATION OF ABSTRACT	18. NUMBER	19a. NAME OF
a. REPORT <b>unclassified</b>	b. ABSTRACT unclassified	c. THIS PAGE unclassified	UU	OF PAGES 102	RESPONSIBLE PERSON

Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and

**Report Documentation Page** 

Form Approved OMB No. 0704-0188

### TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	OBJECTIVE AND SCOPE OF WORK	2
3.0	GEOPHYSICAL PROVE OUT GRID INSTALLATION	3
4.0	SITE CHARACTERIZATION AREA INVESTIGATION	5
5.0	SEEDING	5
6.0	GEOPHYSICAL SURVEY	6
7.0	MAG-N-FLAG	6
8.0	INTRUSIVE INVESTIGATIONS	7
8	3.1 SINGLE POINT ANOMALIES	7
	8.1.1 Intrusive Investigation Results	
8	3.2 Cluster Anomalies	
	8.2.1 Intrusive Investigation Results	11
9.0	FREE AIR MAGNETIC MEASUREMENTS	11

#### **Appendices**

- Appendix A GPO Photographs
- Appendix B Seeding Photographs
- Appendix C EM61-MK2 Data Collection and Analysis at Camp Sibert
- Appendix D Intrusive Investigation Photographs
- Appendix E Munitions and Cultural Debris Disposition Documentation

#### **Figures**

- Figure 1.1 Site 18 Location
- Figure 1.2 Site 18 Site Map
- Figure 3.1 Results of GPO Intrusive Investigations
- Figure 3.2 GPO Final Geophysical Survey
- Figure 3.3 GPO Items
- Figure 4.1 Results of 100' x 100' Grid Intrusive Investigations
- Figure 5.1 Locations of Seed Items
- Figure 8.1 Results of Intrusive Investigations

#### **Tables**

- Table 3.1 Items Cleared from GPO
- Table 3.2 Summary of GPO Placement
- Table 4.1 Summary of 100' x 100' Grid Investigation
- Table 5.1 Summary of Seed Item Placement
- Table 7.1 –Mag-N-Flag Anomalies
- Table 8.1 Single Point Anomaly Results
- Table 8.2 Cluster Anomaly Results

#### 1.0 INTRODUCTION

As part of their ongoing efforts to evaluate and advance geophysical discrimination technologies for use at Unexploded Ordnance (UXO) sites, the Environmental Security Technology Certification Program (ESTCP) selected portions of Site 18 at the former Camp Sibert as the site for a UXO discrimination study. Camp Sibert is located near Attalla, Alabama and was utilized as a unit and individual replacements training facility from late 1942 to early 1945. The government terminated the leases for the area on December 13, 1946. After decontamination of various ranges and toxic areas in 1948, the land was declared excess and transferred to private and local government ownership.

Site 18 is located within Range 28, the 4.2-inch Mortar Range, in the southwest portion of the former Camp Sibert property and encompasses approximately 330 acres Concurrent with the ESTCP discrimination study, an Engineering (Figure 1.1). Evaluation and Cost Analysis (EE/CA) investigation under the Formerly Used Defense Site (FUDS) program was also completed by Parsons at the site. Based on the data collected as part of these investigations as well as previous investigations, Site 18 was used for experimental training on attacking simulated pillbox fortifications with 4.2-inch mortars. To date, two intact 4.2-inch mortars have been found at Site 18. Also a local resident recently contacted USAESCH personnel explaining that he had two intact 4.2inch mortar rounds at his residence that were reportedly found while plowing a field at Site 18. As will be discussed further in subsequent sections of this report, munitions debris associated with the 4.2-inch mortars has been found over a large portion of Site 18. The apparent use of a single munition type (i.e. the 4.2-inch mortars) at Site 18 was one of the primary reasons the site was selected for the UXO discrimination study as it would simplify the discrimination process.

Known fillers in the 4.2-inch mortars used at Site 18 include Sulfur Trioxide (FS) smoke and White Phosphorus (WP). In addition to the known fillers, it is anticipated that High Explosive (HE) and possibly other conventional fillers, such as tear gas, were used at the site.

The following bullets present a chronological listing of the significant activities conducted at Site 18 as part of the discrimination study. Additional details relative to Parsons' role in each of these activities will be presented in subsequent sections of this report.

- Nova Research completed a magnetometer survey over approximately 50 acres of Site 18 using the Naval Research Laboratory (NRL) Multi-Sensor Towed Array Detection System (MTADS).
- Based on the results of the MTADS magnetometer survey, ESTCP personnel selected the areas of the discrimination study. These included three study areas encompassing approximately 16 acres (Southwest Area, Southeast Area #1 and Southeast Area #2), a Geophysical Prove Out (GPO) grid and a Site

- Characterization Area. The approximate locations of each of these areas are shown on Figure 1.2.
- Parsons personnel with USAESCH oversight installed the Geophysical Prove Out (GPO) grid at the location designated by ESTCP.
- Anomalies within the Site Characterization Area were selected from the MTADS magnetometer data by ESTCP personnel. These anomalies were then intrusively investigated by the Parsons UXO team.
- Parsons personnel with USAESCH oversight emplaced 150 inert 4.2-inch mortars as seed items within the three study areas at locations, depths and orientations provided by ESTCP.
- Geophysical surveys were performed within the three study areas by the various demonstrators involved in the discrimination study.
  - Parsons performed an EM61-MK2 single unit man-portable survey of all three study areas.
  - Nova Research performed EM61-MK2 towed array and GEMTADS towed array surveys of all three study areas.
  - Naeva Geophysics performed GEM3 surveys over select cued targets.
  - Berkley Laboratories performed surveys of select cued targets and a 4 to 5 acre area using their Berkley UXO Detector (BUD).
  - Sky Research performed surveys of select cued targets using an EM63.
- ESTCP then selected anomalies within the three study areas based on the geophysical surveys performed by the various demonstrators. These anomalies were then intrusively investigated by Parsons UXO team.
- Following completion of the intrusive investigations, Sky Research performed free air magnetic measurements of the seed items and larger pieces of cultural debris and munitions debris recovered during the intrusive investigation.

#### 2.0 OBJECTIVE AND SCOPE OF WORK

Relative to Parsons' efforts in support of the discrimination study, our primary objectives were three fold.

- 1. Provide support services for ESTCP personnel and their demonstrators.
- 2. Provide a qualified UXO team for seeding and intrusive investigations.
- 3. Act as one of the demonstrators for the discrimination study performing geophysical surveys and data analysis.

In meeting these objectives, the following scope of work was completed by Parsons personnel.

- Installation of the discrimination study GPO grid (Section 3.0).
- Intrusive investigation of anomalies within the Site Characterization Area (Section 4.0).
- Emplacement of 150 inert 4.2-inch mortars as seed items within the three study areas (Section 5.0).
- Completion of an EM61-MK2 electromagnetic (EM) sensor survey over the three study areas with data evaluation (Section 6.0).
- Completion of a Mag-n-Flag investigation of a 100-foot by 100-foot grid within Southeast Area #1 (Section 7.0).
- Intrusive investigation of both single point and cluster anomalies within the three study areas (Section 8.0).
- Provided assistance with free air magnetic measurements of items recovered during the intrusive investigations and the subsequent transfer of these items to the NRL (Section 9.0).

The following sections present additional details of the work completed for each of the above tasks as well as the data collected and investigation results.

#### 3.0 GEOPHYSICAL PROVE OUT GRID INSTALLATION

Based on the MTADS magnetometer survey completed by Nova Research, ESTCP selected the location of the GPO grid near the southwest corner of the Southwest Area study area (Figure 1.2). In preparation for seeding of the GPO grid, the GPO grid and adjacent area were first cleared of anomalies associated with metallic objects. From the MTADS data, 129 magnetic anomalies (S18-GPO-001 through S18-GPO-129) were identified by ESTCP within the GPO grid. These anomalies were intrusively investigated on March 14, 2007 by Parsons UXO team. The results of the intrusive investigation of these anomalies are shown on Table 3.1 and presented on Figure 3.1.

Following the initial intrusive work, the GPO grid was digitally mapped by Parsons using an EM61-MK2 unit on March 20, 2007. As a result of this survey, an additional 27 anomalies (S18-EM-01 through S18-EM-27) were selected for investigation. These anomalies were investigated on March 26, 2007. The results of these investigations are also presented on Table 3.1. A final background survey using the EM61-MK2 unit was conducted on March 26, 2007 by Parsons personnel to confirm that the GPO was free of foreign debris. A figure showing the final geophysical data for the GPO is shown on Figure 3.2.

The locations, depths and orientations of the seed items were provided to Parsons by ESTCP. The seed items were emplaced in the GPO grid by Parsons personnel with USAESCH oversight on March 27 and March 28, 2007. A total of 30 inert 4.2-inch mortars and 8 half-shells from 4.2-inch mortars were buried at predetermined locations and depths. The locations and emplacement information for the seed items is listed on Table 3.2 and displayed in Figure 3.3. Photos of the GPO seed items are included electronically in Appendix A on the enclosed CD. The following bullets summarize the seeding procedure employed for each item.

- A Real Time Kinematic (RTK) base station and rover unit were used to navigate the seeding team to the appropriate seed location based on the Global Positioning System (GPS) coordinates provided by ESTCP. The UXO emplacement team was given information on depth, dip and azimuth for each seed item and excavated the area based on those parameters.
- The seed item was then placed in the excavation and the depth was confirmed using a meter stick measuring to the center point of the item, the dip was measured with a digital angle level or 45 degree triangle with level, the azimuth was measured with a compass using the nose of the 4.2 inch mortar round as the point.
- Once the seed item was emplaced in the hole, Parsons QC and USAESCH representatives double checked all the emplacement parameters and took a photo of the seed item in the hole with a scale and emplacement information on a dry erase board.
- Before the hole was covered up licensed land surveyors recorded the positional location for the nose, center and tail of each seed item in the hole along with a surface elevation measurement to calculate the depth.
- The item was then covered with soil and the area re-graded to disguise the location as best as possible.

It should be noted that the original GPO seeding plan called for 10 half shells to be installed in the GPO. However, at the time the seeding was performed only 8 half shells were available. Therefore, half shells HR-9 and HR-10 were not seeded in the GPO.

With the exception of the items discussed below, the GPO seed items were left inplace following completion of the ESTCP discrimination study for future use on Camp Sibert projects. As shown on Table 3.2, three items were subsequently removed from the GPO at the direction of ESTCP. Items HR-6 was removed from the GPO as it was suspected as being an unknown anomaly. Items 42-030 and 42-031 were removed from the GPO to confirm the exact depth at which the items were emplaced.

#### 4.0 SITE CHARACTERIZATION AREA INVESTIGATION

As part of the discrimination study, anomalies were selected and intrusively investigated within the Site Characterization Area (Figure 1.2) to gather general characterization data (i.e. munitions debris density and type) in support of the ESTCP discrimination study. The location of the Site Characterization Area and anomalies to be investigated were provided to Parsons by ESTCP based on their review of the MTADS magnetometer data collected by Nova Research.

Between April 17 and April 19, 2007, 302 anomalies were intrusively investigated within the Site Characterization Area. The results of the intrusive investigations are presented on Table 4.1 and shown on Figure 4.1. As shown on Table 4.1, the intrusive investigation of the Site Characterization Area resulted in the following numbers of items being identified.

- ➤ 3 Cultural Debris
- ➤ 135 Munitions Debris
- ➤ 63 Hot Rock/Soil
- ➤ 100 No Contacts
- ➤ 1 4.2-inch Mortar (FS Smoke)

It should be noted that the intact 4.2-inch mortar was packaged, transported and stored in the Camp Sibert Interim Holding Facility (IFH) by the Technical Escort Unit (TEU) in accordance with USAESCH procedures.

#### 5.0 SEEDING

As part of the ESTCP discrimination study, Parsons personnel with USAESCH oversight seeded 150 inert 4.2-inch mortars within the three study areas between April 2, 2007 and April 4, 2007. The locations, depths and orientations of the seed items were provided to Parsons by ESTCP. The procedure for seeding of the items was the same as utilized in emplacement of the items in the GPO grid as discussed in Section 3.0.

The approximate seed locations are shown on Figure 5.1. The original coordinates provided by ESTCP, the coordinates collected by land surveyors at the time of seed placement and the coordinates collected by Parsons at the time the seeds were intrusively investigated are shown on Table 5.1. Table 5.1 also shows the inclination, depth to center and azimuth of the seed items as supplied by ESTCP. Photographs of the seed items are included electronically in Appendix B on the enclosed CD.

A review of the three sets of coordinates on Table 5.1 confirms that all the seed items were placed in the appropriate locations with the exception of Seed No 42-165. Seed

No. 42-165 was moved during the seeding operation by USAESCH personnel to avoid an area being cultivated by the property owner.

#### 6.0 GEOPHYSICAL SURVEY

Parsons scope of work for the project also included EM61-MK2 data collection and analysis over the three study areas. The results of the geophysical investigation were presented in Parsons Report "EM61-MK2 Data Collection and Analysis at Camp Sibert", dated June 2007. This report is included electronically in Appendix C on the enclosed CD and is summarized below.

As one of the demonstrators for the discrimination study, Parsons performed a geophysical survey over the three study areas using an EM61-MK2 electromagnetic sensor with a RTK GPS sensor along transect lines separated by 0.5 m. Geophysical data collection was started on April 12, 2007 and completed on May 10, 2007. Approximately 16 acres of data were collected during this period. Parsons data processors completed the analysis on May 27, 2007. Data processors analyzed the results and selected anomalies to meet the project objective of finding intact 4.2-inch mortars. The final dig list provided to ESTCP included a total of 951 anomalies. Anomaly selections were then prioritized into the four groups listed below.

- Priority 1: Large items (237 anomalies),
- Priority 2: Medium-sized items (165 anomalies),
- Priority 3: Small items (310 anomalies), and
- Priority 4: Low fit coherence anomalies (239 anomalies).

#### 7.0 MAG-N-FLAG

As part of the ESTCP Discrimination Study, Parsons was asked perform a Magn-Flag operation over a 100' by 100' grid near the center of Southeast Area #1 (Figure 1.2). The primary purpose of this operation was to collect data for comparison of a Magn-Flag operation versus discrimination of anomalies using geophysical equipment. The Magn-Flag operation was completed on June 4, 2007 over a period of approximately 5 hours utilizing the procedure discussed below.

During the Mag-n-Flag operation, the area was gridded off using 100-foot measuring tapes place on the ground. Using the measuring tapes as guides the UXO team members traversed the area in 5-foot wide transects with Schonstedt metal detectors. As anomalies were identified, the items were flagged using pin flags and the GPS coordinates documented on the dig sheet. The anomalies were then intrusively investigated. The results of the investigations were then documented on the dig sheets.

As part of the Mag-n-Flag operation, 50 anomalies were identified and intrusively investigated. Twenty of the anomalies corresponded to anomalies selected for intrusive investigation based on geophysical investigations performed by the ESTCP demonstrators. The remaining thirty anomalies (anomaly IDs 1086 through 1115) were new anomalies identified by the Mag-n-Flag operation only. The following bullets summarize the items found in anomalies 1086 through 1115.

- 3 Cultural Debris
- ➤ 22 Munitions Debris
- ➤ 4 Hot Rock/Soil
- ➤ 1 No Contacts

Table 7.1 presents the correlation between the Mag-n-Flag anomaly numbers and the ESTCP anomaly numbers. The results of the intrusive investigation will be further discussed in Section 8.0 and presented on Table 8.1.

#### 8.0 INTRUSIVE INVESTIGATIONS

Based on the geophysical surveys conducted at the site by the various demonstrators, ESTCP provided Parsons with 1,359 single point anomalies and 41 anomaly clusters for intrusive investigation. An additional 30 anomalies were intrusively investigated as part of the Mag-n-Flag operation discussed in Section 7.0 above. The following bullets summarize the origins of each of the anomalies.

- Anomalies 1-1085: Single point anomalies identified from demonstrators geophysical data
- Anomalies 1086-1115: Single point anomalies identified from Parsons Mag-n-Flag operations only
- Anomalies 1116-1343: Single point anomalies identified from demonstrators geophysical data
- Anomalies 1344-1384: Cluster anomalies identified from demonstrators geophysical data
- Anomalies 1385-1430: Single point anomalies identified from demonstrators geophysical data

#### **8.1** Single Point Anomalies

The intrusive investigation of single point anomalies for the ESTCP discrimination study was completed between May 29 and August 1, 2007. The following bullets summarize the field procedures utilized during the intrusive investigation of anomalies during the ESTCP support activities.

- At the start of each day, the anomaly numbers to be investigated were electronically stored in the UXO team's Personnel Data Assistant (PDA). The anomaly GPS information was also stored in the team's RTK rover unit.
- The UXO team would then use the RTK rover unit to navigate to anomaly location and mark the location in the field with pin flags.
- A Schonstedt metal detector was then used to require the anomaly. If no anomaly could be reacquired within approximately 30 cm of the pin flag the UXO team would excavate at the original flag location until an anomaly was reacquired or they reached a depth of 30 cm below the predicted anomaly depth provided by ESTCP.
- For each anomaly location investigated the following information was documented in the PDA.
  - Item Location The approximate center of the item was be recorded with the RTK rover unit.
  - Depth The depth was measured with a ruled straight edge from a horizontal guide at ground surface to the approximate center of the metal item.
  - Inclination The inclination was estimated as accurately as possible for elongated items (longest dimension > 2x shortest dimension) and described by angle from horizontal with +90 indicating nose up and -90 nose down.
  - Azimuth The azimuth was measured as accurately as possible for elongated items and described by the angle measured clockwise from north.
  - Identification The item was described if it could be identified (i.e. 4.2-inch mortar base plate, aluminum can, large bolt, nail).
  - Digital Photograph A digital photograph was taken of all metal items found at each anomaly with the items placed on a whiteboard with visible ruled markings in cm and the target number.
  - Number of Contacts The number of discrete metal items (>1" in size) found at each anomaly location was documented.

### 8.1.1 Intrusive Investigation Results

The results of the intrusive investigations of single point anomalies are presented on Table 8.1. The results of the intrusive investigations are graphically presented on Figure 8.1. Photographs of the items encountered at each anomaly are included electronically in Appendix D.

As shown on Table 8.1, the intrusive investigation of the single point anomalies resulted in the following numbers of items being identified.

- > 190 Cultural Debris
- > 597 Munitions Debris
- ➤ 447 Hot Rock/Soil
- > 148 Seed Items
- ➤ 39 No Contacts
- ➤ 1 4.2-inch Mortar with Unknown Liquid Filler

Also as shown on Table 8.1, eleven anomalies highlighted in yellow were investigated more than one time. The primary cause for re-investigating the anomalies was a failure to remove the anomaly from the electronic dig sheets which caused the UXO team to revisit the anomaly. A summary of the results of the re-investigated anomalies is presented below. In general, the UXO team recorded similar results when they revisited an anomaly. In some cases additional items were identified; however, the items were offset from where items were originally identified during the first investigation of an anomaly. For instance, at anomaly number 252 an 8 cm piece of munitions debris was encountered at a depth of 120 cm during the initial investigation. During the second investigation of this anomaly, a 5 cm piece of munitions debris was encountered at a depth of 70 cm, but at a location 2 cm west and 19 cm south of the munitions debris encountered during the initial investigation. None of the results of the anomalies that were investigated twice indicate a failure in quality control for the intrusive investigations.

Anomaly ID	Results of 1 <sup>st</sup> Investigation	Results of 2 <sup>nd</sup> Investigation		
148	Munitions Debris	Hot Rock (Off Set)		
249	Hot Rock	Hot Rock		
252	Munitions Debris	Munitions Debris (Off Set)		
265	Munitions Debris	No Contact		
276	Munitions Debris	Hot Rock (Off Set)		
323	Seed Item	No Contact		
602	Hot Rock	Hot Rock		

Anomaly ID	Results of 1 <sup>st</sup> Investigation	Results of 2 <sup>nd</sup> Investigation
769	Cultural Debris	Hot Rock (Off Set)
939	Hot Rock	Hot Rock
984	Cultural Debris	Hot Rock (Off Set)
1295	Munitions Debris	Hot Rock (Off Set)

Notes: Items marked as "Off Set" were encountered at a different location then those encountered during the initial investigation of an anomaly.

As part of the intrusive investigations, GPS and other data were not collected or lost for three anomalies (321, 323 and 1156) out of 1430 anomalies investigated. The exact reasons for the loss of data are not known. However, a brief description for each anomaly is presented below.

- Anomaly 321 was a low probability anomaly (i.e. fit quality 0.83 from ESTCPs probability algorithm). No description, GPS coordinates or photograph were collected for this anomaly. As discussed earlier, the UXO team was using a PDA to store information and the photographs were being taken manually. Based on the fact that there was no data or photograph for this anomaly, it is suspected that the intrusive investigation yielded hot rock or soil. This was consistent with procedures that no photographs were taken of geologic anomalies. This anomaly location was revisited to confirm that the anomaly had been investigated.
- ➤ Based on the photographic documentation, anomaly 323 was a seed item. However, no GPS information or description was documented in the field. It is anticipated that the information was not properly stored in the PDA by the UXO team.
- Anomaly 1156 was a seed item that had been moved during seeding due to farming in the area. However, no GPS information or description was documented in the field during the intrusive investigation. It is anticipated that the information was not properly stored in the PDA by the UXO team.

#### **8.2** Cluster Anomalies

Forty-one cluster of anomalies identified as anomalies 1344 through 1384 were also intrusively investigated as part of the ESTCP discrimination study. The procedures for documenting the results of the intrusive investigations were the same as those used for the single point anomalies. However, the procedure for clearing the cluster polygons were slightly modified. Parsons was provided a digital montaj for each cluster showing

the corner coordinates for the polygons. The UXO team would then use their RTK rover unit to navigate to the appropriate location and mark the polygon corners in the field with pin flags. The UXO team would then locate the primary anomalies in the polygons using a Schonstedt metal detector and investigate the anomaly. The appropriate information was then documented in the PDA. Once all the visible anomalies on the montaj had been investigated, the UXO team completed a 100% clearance of the polygon with the Schonstedt and investigated any smaller anomalies identified.

#### 8.2.1 Intrusive Investigation Results

The results of the intrusive investigation of the cluster polygons are shown on Table 8.2. The intrusive investigation of the forty-one polygons resulted in 106 anomalies being investigated.

- ➤ 13 Cultural Debris
- > 90 Munitions Debris
- ➤ 1 Hot Rock/Soil
- > 2 Seed Items

#### 9.0 FREE AIR MAGNETIC MEASUREMENTS

As a follow-up to the intrusive investigation, ESTCP requested Parsons assist with performing free air magnetic measurements of the seed items and other items recovered as part of the intrusive investigation. The first step in this process was the re-labeling of all the seed items and most of the larger (i.e. greater than 2 cm) cultural and munitions debris recovered during the intrusive investigation. The primary purpose of the relabeling was so that demonstrators could not correlate the items back to a specific anomaly location. On August 13<sup>th</sup> and 14<sup>th</sup> 2007, Parsons personnel assisted ESTCP personnel in re-labeling the items. In total 150 seed items and approximately 800 cultural and munitions debris were individually placed in nylon sand bags with a unique identification number written on the outside of the bag. The individual bags were then placed in sealed plastic drums and stored in Parsons' gated storage area.

The week of August 20<sup>th</sup> 2007, Parsons personnel assisted Sky Research in performing free air magnetic measures of the seed items, cultural debris and munitions debris at a location adjacent to our Pine View Circle compound. Parsons role in this phase of the project was to provide Sky Research with the items to be measured, UXO support during handling of munitions debris and security of the testing site during non-work hours.

Following completion of the free air measurements, Parsons UXO personnel certified the munitions debris free of explosive hazardous and placed them is sealed drums with chain of custody seals. The cultural debris utilized in the free air magnetic

measurements were also placed in sealed plastic drums. On September 9, 2007 a total of 8 plastic drums of munitions and cultural debris were relinquished to NRL's freight company for shipment to NRLs facility at Blossom Point Maryland for additional magnetic testing. It is Parsons understanding that NRL will be responsible for the final disposition of the munitions and cultural debris. Copies of the certification and shipping information are included in Appendix E.

The 150 inert 4.2-inch mortars utilized as seed items for the project and included in the free air magnetic measures were relinquished to USAESCH personnel in Huntsville, Alabama on September 25, 2007.

# **TABLES**

Table 3.1 Items Cleared from GPO ESTCP Site 18 - Camp Sibert

ID	Easting (UTM)	Northing (UTM)	Dig Type	Comments		
S18-GPO-001	578216.22		Cultural Debris	Wire		
S18-GPO-002	578218.25	3751358.53		******		
S18-GPO-003	578217.73		Cultural Debris	6 inch nail		
S18-GPO-004	578222.47	3751346.74				
S18-GPO-005	578211.88		Cultural Debris	Wire		
S18-GPO-006	578233.24		Munitions Debris	Frag 2"x2"		
S18-GPO-007	578247.63	3751358.58	No Contact	Ĭ		
S18-GPO-008	578251.27	3751349.91	Cultural Debris	Scrap Metal 4"x4"		
S18-GPO-009	578222.14	3751339.98	Cultural Debris	24" Chain		
S18-GPO-010	578219.45	3751338.97	No Contact			
S18-GPO-011	578248.79	3751344.44	No Contact			
S18-GPO-012	578254.99	3751318.72	No Contact			
S18-GPO-013	578256.30	3751311.27	Hot Rocks			
S18-GPO-014	578259.24	3751332.40	No Contact			
S18-GPO-015	578250.38	3751320.07	Cultural Debris	Metal Rod 3" long		
S18-GPO-016	578265.34	3751331.89				
S18-GPO-017	578266.55	3751329.62				
S18-GPO-018	578261.39		Cultural Debris	Scrap Metal		
S18-GPO-019	578270.06	3751317.81				
S18-GPO-020	578211.20	3751366.95				
S18-GPO-021	578212.89	3751368.30				
S18-GPO-022	578216.69		Cultural Debris	Scrap Metal 3"x3"		
S18-GPO-023	578214.07		Cultural Debris	Wire		
S18-GPO-024	578231.44		Cultural Debris	Scrap Metal 2"x3"		
S18-GPO-025	578236.07		Munitions Debris	Frag 2"x2"		
S18-GPO-026	578242.00		Munitions Debris	Frag 2"x2"		
S18-GPO-027	578211.90	3751334.30				
S18-GPO-028	578213.33	3751333.87				
S18-GPO-029	578211.27	3751322.69				
S18-GPO-030	578227.93		Cultural Debris	Metal nut		
S18-GPO-031	578242.40		Cultural Debris	Iron Rod		
S18-GPO-032	578243.88	3751322.40				
S18-GPO-033	578250.29	3751315.86				
S18-GPO-034	578260.85		Cultural Debris	Scrap Metal		
S18-GPO-035	578223.94		Munitions Debris	Frag 2"x2"		
S18-GPO-036	578225.53	3751358.77				
S18-GPO-037	578226.81	3751371.47				
S18-GPO-038	578227.36	3751371.02				
S18-GPO-039	578218.30	3751362.96				
S18-GPO-040	578220.32	3751344.31				
S18-GPO-041	578221.20	3751342.52				
S18-GPO-042	578233.21	3751341.88				
S18-GPO-043	578247.70	3751348.13				
S18-GPO-044	578256.10	3751344.68				
S18-GPO-045	578261.64	3751354.14	No Contact			

Table 3.1 Items Cleared from GPO ESTCP Site 18 - Camp Sibert

ID	Easting (UTM)	Northing (UTM)	Dig Type	Comments		
S18-GPO-046	578250.98	3751344.97				
S18-GPO-047	578270.46	3751364.44				
S18-GPO-048	578269.45	3751362.72				
S18-GPO-049	578211.47	3751352.35				
S18-GPO-050	578216.95	3751339.11				
S18-GPO-051	578224.11	3751342.76				
S18-GPO-052	578214.11	3751319.24				
S18-GPO-053	578229.04		Cultural Debris	Scrap Metal		
S18-GPO-054	578250.05	3751332.87				
S18-GPO-055	578255.70	3751315.12				
S18-GPO-056	578213.36	3751369.92				
S18-GPO-057	578214.07		Cultural Debris	Wire		
S18-GPO-058	578211.68	3751360.26				
S18-GPO-059	578212.01	3751361.61				
S18-GPO-060	578263.53	3751328.15				
S18-GPO-061	578250.36	3751318.31				
S18-GPO-062	578256.81	3751316.00				
S18-GPO-063	578258.97	3751318.62				
S18-GPO-064	578253.72	3751311.01				
S18-GPO-065	578263.67	3751334.78				
S18-GPO-066	578264.92	3751336.91				
S18-GPO-067	578267.76	3751335.63				
S18-GPO-068	578267.58	3751336.92				
S18-GPO-069	578269.11	3751336.30				
S18-GPO-070	578258.11	3751327.85				
S18-GPO-071	578266.74	3751342.59				
S18-GPO-072	578268.81	3751355.92				
S18-GPO-073	578258.09	3751361.94	Hot Rocks			
S18-GPO-074	578265.63	3751349.88	Hot Rocks			
S18-GPO-075	578253.97	3751348.53	Hot Rocks			
S18-GPO-076	578261.88	3751349.95	Hot Rocks			
S18-GPO-077	578259.72	3751349.82				
S18-GPO-078	578257.82	3751350.29				
S18-GPO-079	578263.84	3751342.78				
S18-GPO-080	578267.06	3751363.41	Hot Rocks			
S18-GPO-081	578253.77	3751371.34				
S18-GPO-082	578252.25	3751368.23				
S18-GPO-083	578264.38		Cultural Debris	Scrap Metal		
S18-GPO-084	578263.84	3751371.27		·		
S18-GPO-085	578256.88	3751367.69				
S18-GPO-086	578269.19	3751370.61				
S18-GPO-087	578268.61	3751368.94				
S18-GPO-088	578267.35	3751367.69	No Contact			
S18-GPO-089	578243.26	3751349.99				
S18-GPO-090	578242.86	3751351.00				

Table 3.1 Items Cleared from GPO ESTCP Site 18 - Camp Sibert

ID	Easting (UTM)	Northing (UTM)	Dig Type	Comments
S18-GPO-091	578241.84	3751347.76	Hot Rocks	
S18-GPO-092	578218.87	3751367.96	No Contact	
S18-GPO-093	578226.64	3751364.65		
S18-GPO-094	578231.71	3751371.20	Hot Rocks	
S18-GPO-095	578233.06	3751370.39	Hot Rocks	
S18-GPO-096	578234.41	3751369.72		
S18-GPO-097	578221.10	3751365.26		
S18-GPO-098	578221.99	3751364.68	Hot Rocks	
S18-GPO-099	578220.49	3751350.32	Hot Rocks	
S18-GPO-100	578238.59	3751369.45	Hot Rocks	
S18-GPO-101	578225.43	3751353.97	No Contact	
S18-GPO-102	578225.22	3751352.96	Hot Rocks	
S18-GPO-103	578226.51	3751367.15		
S18-GPO-104	578229.41	3751366.88		
S18-GPO-105	578239.55	3751364.26	Hot Rocks	
S18-GPO-106	578240.37	3751363.87	Hot Rocks	
S18-GPO-107	578244.14	3751369.18	Hot Rocks	
S18-GPO-108	578215.99	3751344.58	Hot Rocks	
S18-GPO-109	578214.48	3751369.04	Hot Rocks	
S18-GPO-110	578213.26	3751351.54		
S18-GPO-111	578216.71	3751366.00		
S18-GPO-112	578214.01	3751367.01	Hot Rocks	
S18-GPO-113	578213.53	3751364.18		
S18-GPO-114	578223.18	3751366.02	Hot Rocks	
S18-GPO-115	578223.84	3751365.05		
S18-GPO-116	578235.23	3751363.86		
S18-GPO-117	578238.95	3751366.23		
S18-GPO-118	578215.56	3751361.81	Hot Rocks	
S18-GPO-119	578214.48	3751348.43	Hot Rocks	
S18-GPO-120	578213.94	3751347.55		
S18-GPO-121	578224.04	3751360.88	Hot Rocks	
S18-GPO-122	578229.01	3751341.44		
S18-GPO-123	578230.70	3751327.66		
S18-GPO-124	578219.68	3751336.24		
S18-GPO-125	578222.66	3751318.64		
S18-GPO-126	578214.95	3751322.42		
S18-GPO-127	578247.08	3751343.43		
S18-GPO-128	578247.28	3751342.08		
S18-GPO-129	578248.30	3751343.50		
S18-EM-01	578249.4		No Contact	
S18-EM-02	578264.1		No Contact	
S18-EM-03	578221.5		No Contact	
S18-EM-04	578252.4		No Contact	
S18-EM-05	578256		No Contact	
S18-EM-06	578261.7		Hot Rocks	

Table 3.1 Items Cleared from GPO ESTCP Site 18 - Camp Sibert

ID	Easting (UTM)	Northing (UTM)	Dig Type	Comments
S18-EM-07	578257.8	3751346.4	No Contact	
S18-EM-08	578254.5	3751348.8	Hot Rocks	
S18-EM-09	578259.9	3751349.7	No Contact	
S18-EM-10	578242.2	3751351.2	No Contact	
S18-EM-11	578226.6	3751351.5	No Contact	
S18-EM-12	578237.7	3751351.8	Cultural Debris	Horseshoe
S18-EM-13	578224.8	3751353.9	No Contact	
S18-EM-14	578255.7	3751356.3	No Contact	
S18-EM-15	578220	3751356.9	Hot Rocks	
S18-EM-16	578224.2	3751360.5	No Contact	
S18-EM-17	578245.5	3751360.5	No Contact	
S18-EM-18	578218.2	3751361.7	No Contact	
S18-EM-19	578265	3751361.7	Cultural Debris	Scrap Metal
S18-EM-20	578222.7	3751362.9	No Contact	
S18-EM-21	578223.6	3751365.9	Hot Rocks	
S18-EM-22	578247.9	3751365.9	No Contact	
S18-EM-23	578250.9	3751365.9	Hot Rocks	
S18-EM-24	578255.1	3751365.9	No Contact	
S18-EM-25	578219.7	3751366.5	Hot Rocks	
S18-EM-26	578252.7	3751366.8	No Contact	
S18-EM-27	578261.1	3751367.1	No Contact	

Table 3.2 Summary of GPO Placement ESTCP Site 18 - Camp Sibert

			Plan Cod	ordinates	]		Γ	Emplaced C	7	
Item #	Туре	Item #	Easting	Northing	Depth to center ( m)	Dip (Deg., 0=Sideways, +90=nose-up)	Azimuth (Deg. from True North)	Easting	Northing	Comments
42-002	4.2" M	42-002	578216.93	3751317.94	0.15	0	0			
								578217.1264	3751318.187	Nose
								578217.1011	3751317.734	End
								578217.1369	3751317.97	Center
42-003	4.2" M	42-003	578223.03	3751323.54	0.15	0	70			
								578222.9072	3751323.439	End
								578223.0738	3751323.432	Center
								578223.2911	3751323.52	Nose
42-004	4.2" M	42-004	578229.37	3751318.07	0.15	0	145			
								578229.2971	3751318.201	End
								578229.4309	3751318.048	
								578229.5909	3751317.877	Nose
42-005	4.2" M	42-005	578239.70	3751319.31	0.15	0	215			
								578239.5054	3751319.002	Nose
								578239.6694	3751319.183	
								578239.8036	3751319.337	
42-006	4.2" M	42-006	578252.14	3751321.43	0.15	0	290			
		1						578252.1466	3751321.466	Nose
								578252.3733	3751321.388	
								578252.5974	3751321.332	
42-007	4.2" M	42-007	578260.85	3751317.57	0.40	90	0			-
		00:	0.0200.00	0.0.0	01.10			578260.9932	3751317.454	Center
42-008	4.2" M	42-008	578263.21	3751329.26	0.40	90	0	0.0200.0002	0.0.0	
12 000	1.2 101	12 000	070200.21	0701020.20	0.10	- 00	<del>                                     </del>	578263.2577	3751329.152	Center
42-009	4.2" M	42-009	578254.50	3751331.63	0.40	-90	0	070200.2077	0701020.102	Conto
72 UUU	T.4 IVI	72 000	070204.00	0701001.00	0.40	30	<del>                                     </del>	578254.5195	3751331.615	Center
42-010	4.2" M	42-010	578246.79	3751327.52	0.40	-90	0	070204.0190	0701001.010	Conto
<del>1</del> 2-010	<b>4.∠</b> IVI	42-010	370240.79	3131321.32	0.40	-90		578246.7587	3751327.421	Contor
42-011	4.2" M	42-011	578240.69	3751334.37	0.40	45	90	310240.1301	3131321.421	OGINGI
42-011	4.Z IVI	42-011	5/6240.69	3/31334.3/	0.40	45	90	578240.5515	3751334.754	End
								578240.5515	3751334.754	
				<u> </u>						
		I	Į.				1	578240.9284	3751334.806	Center

Table 3.2 Summary of GPO Placement ESTCP Site 18 - Camp Sibert

			Plan Cod	ordinates	<u> </u>			Emplaced Coordinates		•
Item #	Туре	Item #	Easting	Northing	Depth to center ( m)	Dip (Deg., 0=Sideways, +90=nose-up)	Azimuth (Deg. from True North)	Easting	Northing	Comments
42-012	4.2" M	42-012	578232.86	3751329.64	0.40	45	180			
								578233.0511	3751329.77	End
								578233.0507	3751329.668	Center
								578233.0424	3751329.439	Nose
42-013	4.2" M	42-013	578226.64	3751337.10	0.40	-45	90			
								578227.121	3751336.986	End
								578227.2914	3751337.022	Center
								578227.3957	3751337.054	Nose
42-014	4.2" M	42-014	578218.05	3751336.73	0.40	-45	180			
								578218.1661	3751336.694	End
								578218.1931	3751336.545	
								578218.2501	3751336.405	Nose
42-015	4.2" M	42-015	578216.56	3751347.30	0.40	0	135			
								578216.9821	3751346.954	Nose
								578216.8098	3751347.071	Center
								578216.6286	3751347.219	End
42-016	4.2" M	42-016	578224.89	3751345.69	0.40	0	225			
								578224.7967	3751345.539	Nose
								578224.9275	3751345.727	Center
								578225.0556	3751345.91	End
42-017	4.2" M	42-017	578234.47	3751347.18	0.50	90	0			
								578234.579	3751347.125	Center
42-018	4.2" M	42-018	578237.33	3751341.21	0.50	45	70			
								578237.5145	3751340.887	Nose
								578237.3852	3751340.744	Center
								578237.2503	3751340.702	End
42-019	4.2" M	42-019	578245.05	3751340.96	0.50	0	145			
								578245.3269	3751340.813	Nose
								578245.1816	3751340.999	
								578245.048	3751341.186	End

Table 3.2 Summary of GPO Placement ESTCP Site 18 - Camp Sibert

			Plan Cod	ordinates			Γ	Emplaced C	•	
Item #	Туре	Item #	Easting	Northing	Depth to center ( m)	Dip (Deg., 0=Sideways, +90=nose-up)	Azimuth (Deg. from True North)	Easting	Northing	Comments
42-020	4.2" M	42-020	578250.52	3751342.45	0.50	-45	215			
								578250.4799	3751342.275	Nose
								578250.5135	3751342.357	Center
								578250.6265	3751342.511	End
42-021	4.2" M	42-021	578264.45	3751341.33	0.50	-90	0			
								578264.5807	3751341.267	Center
42-022	4.2" M	42-022	578260.60	3751353.15	0.50	-90	0			
								578260.6696	3751353.159	Center
42-023	4.2" M	42-023	578251.76	3751350.79	0.75	-45	70			
								578251.7949	3751350.577	End
								578251.9503	3751350.663	Center
								578252.0592	3751350.724	Nose
42-024	4.2" M	42-024	578245.05	3751355.39	0.75	0	145			
								578245.0592	3751355.238	Center
								578245.2181	3751355.061	Nose
								578244.8924	3751355.409	End
42-025	4.2" M	42-025	578238.33	3751361.48	0.75	45	215			
								578238.1146	3751360.862	Nose
								578238.2524	3751361.052	Center
								578238.3206	3751361.221	End
42-026	4.2" M	42-026	578228.50	3751361.36	0.75	90	0			
								578228.5526	3751361.372	Center
42-027	4.2" M	42-027	578220.91	3751364.47	1.10	-90	0			
								578220.7283	3751364.573	Center
42-028	4.2" M	42-028	578217.93	3751357.38	1.10	90	0			
								578217.5538	3751357.59	Center
42-029	4.2" M	42-029	578229.12	3751353.90	1.10	45	180			
								578229.1559	3751353.885	End
								578229.1056	3751353.709	Center
								578229.1081	3751353.522	Nose

Table 3.2 Summary of GPO Placement ESTCP Site 18 - Camp Sibert

		Plan Coordinates					Emplaced C			
Item #	Туре	Item #	Easting	Northing	Depth to center ( m)	Dip (Deg., 0=Sideways, +90=nose-up)	Azimuth (Deg. from True North)	Easting	Northing	Comments
42-030	4.2" M	42-030	578247.66	3751364.47	1.10	0	90			Dug as follow up
								578248.1571	3751364.624	Nose
								578247.9324	3751364.554	
								578247.7211	3751364.519	End
42-031	4.2" M	42-031	578259.48	3751365.09	1.10	0	270			Dug as follow up
								578260.1083	3751365.12	End
								578259.8706	3751365.076	Center
								578259.6367	3751365.089	Nose
HR-1	Half Shell	HR-1	578221.98	3751352.32	0.15	flat				
								578222.1337	3751352.345	Corner
								578222.0111	3751352.326	
								578222.0069	3751352.033	
								578222.1735	3751352.058	
								578222.0798	3751352.184	
HR-2	Half Shell	HR-2	578235.37	3751355.29	0.15	flat				
								578235.4542	3751355.097	Corner
								578235.3337	3751355.141	
								578235.4862	3751355.363	
								578235.6005	3751355.306	
								578235.4642	3751355.25	
HR-3	Half Shell	HR-3	578242.54	3751347.16	0.15	flat				
								578242.7964	3751347.099	Corner
								578242.811	3751346.983	
								578242.5418	3751346.96	
								578242.5337	3751347.083	
								578242.6943	3751347.018	
HR-4	Half Shell	HR-4	578253.83	3751359.97	0.15	on edge				
			2. 0200.00	2. 2. 300.07	0.10	5 3ugs		578253.8679	3751359.637	Corner-Edge
			1					578253.9172	3751359.872	
HR-5	Half Shell	HR-5	578257.37	3751345.34	0.15	on edge		5.0200.0172	2.0.000.012	Comor Lago
11110		11110	373237.07	3.01010.04	0.10	on oago		578257.5358	3751345.414	Corner-Edge
								578257.3814	3751345.259	

Table 3.2 Summary of GPO Placement ESTCP Site 18 - Camp Sibert

			Plan Cod	ordinates				Emplaced C	oordinates	
Item #	Туре	Item #	Easting	Northing	Depth to center ( m)	Dip (Deg., 0=Sideways, +90=nose-up)	Azimuth (Deg. from True North)	Easting	Northing	Comments
HR-6	Half Shell	HR-6	578258.80	3751336.83	0.15	on edge				Dug as follow up
								578258.9079	3751336.838	Corner-Edge
								578258.6448	3751336.748	Corner-Edge
HR-7	Half Shell	HR-7	578249.05	3751335.97	0.40	flat				
								578249.1504	3751336.14	Corner
								578249.0145	3751336.105	Corner
								578249.0815	3751335.845	Corner
								578249.2244	3751335.892	Corner
								578249.1259	3751335.979	Center
HR-8	Half Shell	HR-8	578217.10	3751330.32	0.40	on edge				
								578217.1367		Corner-Edge
								578217.1272	3751330.39	Corner-Edge
								578217.1708		Corner-Edge
								578217.1767	3751330.185	Corner-Edge
HR-9	Half Shell	HR-9	578239.86	3751326.69	0.75	flat		See Note 1		
HR-10	Half Shell	HR-10	578257.75	3751324.58	0.75	on edge		See Note 1		

#### Notes:

1. At the time of seeding only 8 half shells were available for the project. Therefore, Items HR-9 and HR-10 were not seeded.

ID	Easting	Northing	Depth (m)	Size (m)	Dig Type	Comments	Depth (in)	Inclination	Azimuth
A-1	578794.900	3751863.490	0.07	0.05	MD	Frag	2	Horizontal	270
A-2	578796.080	3751862.200	0.11	0.10	MD	Halfshell	2	Horizontal	360
A-3	578796.530	3751862.870	0.07	0.06	MD	Base	2	Vertical	0
A-4	578797.070	3751864.650	0.71	0.14	HS	Soil	18		
A-5	578794.600	3751860.590	0.06	0.01	NC	No Contact	18		
A-6	578794.670	3751860.130	0.00	0.01	MD	Frag	12	Horizontal	180
A-7	578798.280	3751860.920	0.60	0.05	MD	Frag	1		
A-8	578799.890	3751863.090	0.36	0.07	MD	Frag	18	Vertical	0
A-9	578801.260	3751863.980	0.09	0.08	MD	Frag	4	Horizontal	90
A-10	578799.640	3751865.050	0.08	0.05	MD	Frag	2	Horizontal	45
A-11	578798.500	3751865.940	0.12	0.05	MD	Frag	3	Vertical	0
A-12	578805.420	3751864.960	0.16	0.03	HR	Soil	6		
A-13	578804.800	3751864.380	0.14	0.03	HR	Soil	12		
A-14	578807.860	3751861.420	0.17	0.03	MD	Frag	12	Horizontal	270
A-15	578807.110	3751864.470	0.08	0.03	MD	Frag	4	Horizontal	0
A-16	578810.490	3751863.780	0.19	0.07	MD	Frag	6	Horizontal	360
A-17	578812.160	3751863.500	0.09	0.02	MD	Frag	2	Horizontal	90
A-18	578812.170	3751861.730	0.07	0.03	MD	Frag	6	Horizontal	0
A-19	578811.250	3751865.290	0.19	0.03	MD	Frag	2	Horizontal	90
A-20	578813.000	3751864.540	0.30	0.03	HR	Soil	18		
A-21	578815.370	3751863.430	0.16	0.02	MD	Frag	4	Horizontal	n/a
A-22	578817.020	3751864.510	0.29	0.03	HR	Soil	18		
A-23	578818.640	3751862.710	0.09	0.03	MD	Frag	3	Horizontal	45
A-24	578818.660	3751863.410	0.14	0.02	CD	CD	6	Vertical	0
A-25	578819.580	3751861.420	0.40	0.03	HR	Soil	18		
A-26	578821.190	3751861.070	0.13	0.03	MD	Frag	2	Vertical	n/a
A-27	578822.700	3751861.290	0.21	0.04	MD	Frag	24	Vertical	0
A-28	578821.830	3751865.100	0.96	0.08	NC	No Contact	18		
A-29	578819.070	3751865.770	0.64	0.09	MD	Frag	18	Vertical	0
A-30	578820.590	3751869.980	0.30	0.02	NC	No Contact	18		
A-31	578817.310	3751868.220	0.21	0.04	MD	Frag	10	Horizontal	45
A-32	578815.550	3751866.110	0.91	0.11	HR	Soil			
A-33	578817.650	3751870.140	0.23	0.06	MD	Halfshell	18	Horizontal	90
A-34	578816.050	3751869.600	0.16	0.03	MD	Nose Frag	2	Vertical	0
A-35	578813.810	3751867.580	0.67	0.10	NC	No Contact	4	Horizontal	360
A-36	578812.680	3751867.290	0.41	0.06	MD	Frag	3	Vertical	0
A-37	578808.940	3751868.130	0.12	0.12	MD	Halfshell	12	Horizontal	180
A-38	578807.890	3751867.440	0.30	0.13	MD	Halfshell	10	Horizontal	
A-39	578806.850	3751868.450	0.26	0.12	MD	Halfshell	1	Horizontal	45
A-40	578806.320	3751870.100	0.06	0.07	MD	Halfshell	3	Horizontal	360
A-41	578804.250	3751869.290	0.13	0.04	MD	Frag	6	Horizontal	60
A-42	578804.780	3751866.920	0.07	0.03	MD	Frag	18	Horizontal	270
A-43	578802.950	3751868.110	0.09	0.03	MD	Frag	12	Vertical	0

ID	Easting	Northing	Depth (m)	Size (m)	Dig Type	Comments	Depth (in)	Inclination	Azimuth
A-44	578801.960	3751867.490	0.16	0.02	MD	Frag	6	Horizontal	180
A-45	578801.090	3751868.040	0.33	0.03	NC	No Contact	18		
A-46	578799.420	3751868.160	0.18	0.02	MD	Fuze Ring	12	Vertical	0
A-47	578798.300	3751868.450	0.17	0.04	MD	Frag	6	Horizontal	90
A-48	578798.720	3751867.530	0.17	0.03	MD	Frag	4	Horizontal	180
A-49	578797.120	3751867.250	0.30	0.04	MD	Frag	6	Vertical	0
A-50	578796.590	3751867.260	0.52	0.06	MD	Frag	6	Vertical	0
A-51	578792.320	3751867.070	0.09	0.02	MD	Frag	1	Horizontal	90
A-52	578792.910	3751869.790	0.09	0.03	MD	Frag	2	Horizontal	60
A-53	578792.950	3751871.170	0.12	0.02	MD	Frag	4	Vertical	0
A-54	578794.020	3751870.610	0.11	0.02	MD	Frag	6	Vertical	0
A-55	578795.760	3751871.380	0.30	0.05	MD	Frag	12	Vertical	0
A-56	578795.880	3751872.240	0.12	0.03	MD	Frag	4	Horizontal	180
A-57	578793.970	3751875.980	0.08	0.02	MD	Nose Frag	2	Vertical	0
A-58	578796.530	3751874.830	0.07	0.02	MD	Nose Frag	4	Vertical	0
A-59	578799.210	3751872.220	0.09	0.02	MD	Frag	5	Horizontal	45
A-60	578800.070	3751873.730	0.15	0.03	MD	Frag	4	Vertical	0
A-61	578800.040	3751875.910	0.11	0.05	MD	Frag	6	Horizontal	360
A-62	578803.320	3751871.570	0.17	0.02	HR	Soil	18		
A-63	578805.350	3751872.580	0.73	0.08	MD	Base	24	Vertical	0
A-64	578808.430	3751872.020	0.11	0.03	MD	Frag	6	Horizontal	45
A-65	578808.680	3751872.880	0.15	0.02	HR	Soil	18		
A-66	578807.830	3751870.650	0.21	0.04	MD	Frag	5	Horizontal	140
A-67	578811.470	3751871.090	0.50	0.05	MD	Frag	8	Vertical	0
A-68	578810.690	3751871.940	0.20	0.03	HR	Soil			
A-69	578813.800	3751875.190	0.35	0.05	MD	Base	18	Vertical	0
A-70	578815.490	3751873.180	0.24	0.04	MD	Frag	6	Vertical	0
A-71	578815.830	3751870.920	0.14	0.03	MD	Frag	3	Horizontal	90
A-72	578818.140	3751874.980	0.63	0.06	NC	No Contact	18		
A-73	578820.460	3751875.620	0.20	0.03	MD	Frag	5	Horizontal	120
A-74	578820.130	3751871.150	0.12	0.03	MD	Nose Frag	4	Horizontal	0
A-75	578821.500	3751872.910	0.09	0.05	MD	Base	2	Vertical	0
A-76	578819.060	3751878.800	0.08	0.08	MD	Frag	2	Horizontal	90
A-77	578818.710	3751877.840	0.13	0.03	MD	Frag	6	Horizontal	0
A-78	578819.150	3751881.670	0.23	0.09	MD	Base	14	Vertical	0
A-79	578816.160	3751881.760	0.30	0.05	MD	Halfshell	6	Horizontal	90
A-80	578816.130	3751877.000	0.11	0.02	MD	Frag	1	Vertical	0
A-81	578814.780	3751878.670	0.30	0.05	MD	Base	14	Horizontal	0
A-82	578814.360	3751880.490	0.09	0.02	MD	Frag	6		45
A-83	578810.560	3751878.980	0.05	0.04	MD	Frag	3	Horizontal	40
A-84	578809.510	3751879.400	0.14	0.03	MD	Frag	1	Horizontal	360
A-85	578807.270	3751877.880	0.21	0.03	MD	Frag	4	Vertical	0
A-86	578809.750	3751880.940	0.15	0.04	MD	Frag	3	Horizontal	180

ID	Easting	Northing	Depth (m)	Size (m)	Dig Type	Comments	Depth (in)	Inclination	Azimuth
A-87	578809.050	3751881.550	0.02	0.02	MD	Frag	6	Horizontal	90
A-88	578809.290	3751881.150	0.12	0.02	HR	Soil	18		
A-89	578808.570	3751882.700	0.09	0.02	MD	Frag	4	Vertical	0
A-90	578807.060	3751880.980	0.24	0.03	MD	Frag	12	Vertical	0
A-91	578804.150	3751880.950	0.25	0.06	MD	Frag	12	Horizontal	180
A-92	578803.950	3751877.830	0.13	0.05	MD	Frag	4	Horizontal	270
A-93	578804.820	3751876.710	0.10	0.06	MD	Frag	3	Horizontal	180
A-94	578804.240	3751875.820	0.10	0.03	MD	Frag	2	Horizontal	90
A-95	578802.860	3751876.070	0.14	0.02	MD	Frag	1	Horizontal	180
A-96	578802.920	3751877.280	0.31	0.03	MD	Frag	1	Horizontal	n/a
A-97	578802.100	3751876.690	0.05	0.02	MD	Frag	2	Vertical	0
A-98	578801.450	3751876.020	0.41	0.04	MD	Frag	6		45
A-99	578800.650	3751878.030	0.96	0.09	HR	Soil	18	Horizontal	
A-100	578802.040	3751878.810	0.09	0.03	MD	Frag	6	Vertical	360
A-101	578800.770	3751879.120	0.09	0.03	MD	Frag	2	Horizontal	0
A-102	578800.180	3751879.460	0.07	0.03	MD	Frag	6	Horizontal	90
A-103	578800.940	3751882.320	0.10	0.04	MD	Frag	2	Horizontal	180
A-104	578798.320	3751881.050	0.10	0.03	MD	Frag	4	Horizontal	360
A-105	578794.970	3751879.440	0.20	0.03	MD	Frag	3	Horizontal	60
A-106	578793.910	3751879.710	0.12	0.03	MD	Frag	1	Vertical	45
A-107	578793.980	3751881.290	0.22	0.03	MD	Nose Frag	4	Vertical	0
A-108	578792.430	3751882.080	0.37	0.06	MD	Base	18	Horizontal	0
A-109	578793.410	3751886.160	0.14	0.03	MD	Frag	2	Vertical	0
A-110	578794.440	3751885.300	0.17	0.03	MD	Frag	1	Vertical	0
A-111	578794.580	3751886.590	0.22	0.04	MD	Frag	12	Vertical	0
A-112	578795.910	3751886.180	0.06	0.02	MD	Frag	8		
A-113	578796.180	3751883.340	0.19	0.06	MD	Frag	8	Horizontal	45
A-114	578797.220	3751882.330	0.11	0.02	MD	Frag	6	Horizontal	90
A-115	578799.930	3751883.410	0.15	0.05	MD	Frag	4	Horizontal	360
A-116	578799.310	3751883.870	0.11	0.05	MD	Frag	3	Horizontal	180
A-117	578800.710	3751884.310	0.23	0.03	MD	Frag	2	Horizontal	45
A-118	578804.350	3751882.480	0.07	0.05	MD	Frag	1	Horizontal	270
A-119	578805.640	3751882.520	0.15	0.05	MD	Frag	4	Vertical	0
A-120	578805.790	3751886.070	0.18	0.03	MD	Frag	3	Horizontal	360
A-121	578807.910	3751884.830	0.35	0.03	HR	Soil	18		
A-122	578813.950	3751885.830	0.14	0.06	MD	Frag	2	Horizontal	60
A-123	578815.140	3751884.370	0.16	0.02	MD	Frag	6	Vertical	0
A-124	578819.290	3751884.340	0.16	0.02	MD	Frag	3	Vertical	0
A-125	578819.250	3751885.830	0.15	0.02	MD	Frag	5	Vertical	0
	578818.720	3751887.140	0.47	0.04	HR	Soil	18		
A-127	578818.680	3751890.060	0.37	0.03	HR	Soil	18		

ID	Easting	Northing	Depth (m)	Size (m)	Dig Type	Comments	Depth (in)	Inclination	Azimuth
A-128	578816.930	3751888.540	0.38	0.07	UXO	Intact 4.2 inch Mortar Round	12	Horizontal	40
A-129	578816.210	3751890.270	0.30	0.02	MD	Frag	7	Horizontal	18
A-130	578817.400	3751886.890	0.07	0.01	HR	Soil	3		n/a
A-131	578813.680	3751890.070	0.12	0.03	MD	Frag	7	Horizontal	270
A-132	578811.150	3751889.540	0.18	0.03	MD	Frag	8	Vertical	0
A-133	578810.490	3751888.700	0.11	0.02	HR	Soil	6		n/a
A-134	578809.800	3751888.030	0.19	0.02	HR	Soil	4		n/a
A-135	578810.080	3751889.250	0.45	0.05	HR	Soil	18		
A-136	578807.110	3751888.880	0.21	0.03	MD	Frag	4	Horizontal	45
A-137	578806.340	3751888.060	0.22	0.02	HR	Soil	18	Horizontai	40
A-138	578804.150	3751886.990	0.22	0.05	MD	Base	12	Horizontal	180
A-139			0.50		MD		4		0
	578804.640	3751889.880		0.06		Frag		Vertical	
A-140	578803.440	3751889.470	0.15	0.03	MD	Frag	5	Horizontal	45
A-141	578802.770	3751889.880	0.15	0.03	MD	Frag	2	Horizontal	60
A-142	578801.970	3751888.910	0.26	0.03	HR	Soil	18		
A-143	578802.960	3751888.050	0.28	0.03	HR	Soil	8		
A-144	578800.120	3751889.200	0.03	0.02	MD	Frag	4	Vertical	n/a
A-145	578800.500	3751887.890	0.07	0.05	MD	Frag	8	Horizontal	270
A-146	578801.260	3751886.710	0.29	0.05	MD	Frag	3	Horizontal	360
A-147	578802.030	3751886.740	0.07	0.02	MD	Frag	1	Horizontal	180
A-148	578802.690	3751886.490	0.06	0.03	MD	Frag	1	Horizontal	90
A-149	578799.170	3751889.530	0.47	0.09	MD	Base	16	Horizontal	300
A-150	578797.070	3751889.860	0.05	0.07	MD	Frag	1	Horizontal	180
A-151	578798.720	3751886.100	0.44	0.09	HR	Soil	18		
A-152	578799.430	3751886.230	0.52	0.09	MD	Frag	6	Vertical	0
A-153		3751887.830	0.06	0.04	MD	Frag	1	Horizontal	90
A-154		3751888.000	0.15	0.04	MD	Frag	6	Horizontal	180
A-155		3751887.420	0.26	0.03	MD	Frag	4	Horizontal	60
B-1		3751864.380	0.28	0.02	HR	Hot Soil			
B-2		3751866.520	0.45	0.03	HR	Hot Soil			
B-3	578799.960	3751860.400	0.20	0.01	HR	Hot Soil			
B-4		3751861.410	0.07	0.01	HR	Hot Soil			
B-5	578802.310	3751860.230	0.23	0.02	HR	Hot Soil			
B-6	578804.840		0.06	0.01	NC	No Contact			
B-7		3751862.150	0.06	0.01	HR	Hot Soil	•		
B-8 B-9		3751863.370 3751862.770	0.10 0.14	0.02 0.01	MD NC	Frag No Contact	2		
B-10		3751862.770	0.14	0.01	NC	No Contact			
B-11		3751862.750	0.14	0.02	HR	Hot Soil			
B-12		3751863.850	0.09	0.02	HR	Hot Soil			
B-13		3751862.920	0.16	0.01	NC	No Contact			
B-14		3751860.390	0.47	0.03	NC	No Contact			
B-15		3751861.180	0.48	0.03	NC	No Contact			
B-16	578810.790	3751866.130	0.13	0.01	NC	No Contact			

ID	Easting	Northing	Depth (m)	Size (m)	Dig Type	Comments	Depth (in)	Inclination	Azimuth
B-17	578814.510	3751862.400	0.06	0.01	NC	No Contact			
B-18	578816.250	3751862.130	0.02	0.01	MD	Frag	2.00		
B-19	578819.230	3751863.260	0.17	0.02	NC	No Contact			
B-20	578822.720	3751869.970	0.09	0.01	MD	Frag	2.00	Horizontal	45.00
B-21	578822.430	3751869.330	0.21	0.01	NC	No Contact			
B-22	578820.320	3751868.910	0.04	0.01	HR	Hot Soil			
B-23	578819.180	3751870.890	0.07	0.02	HR	Hot Soil			
B-24	578818.290	3751871.270	0.10	0.02	HR	Hot Soil			
B-25	578812.860	3751871.020	0.08	0.01	NC	No Contact			
B-26	578809.560	3751870.870	0.16	0.01	NC	No Contact			
B-27	578800.060	3751867.300	0.08	0.01	MD	Frag			
B-28	578798.500	3751871.160	0.21	0.02	HR	Hot Soil			
B-29	578797.300	3751870.450	0.60	0.03	NC	No Contact			
B-30	578792.510	3751874.970	0.04	0.01	HR	Hot Soil			
B-31	578793.460	3751874.640	0.04	0.01	NC	No Contact			
B-32	578795.080	3751873.840	0.04	0.01	NC	No Contact			
B-33	578795.380	3751874.120	0.09	0.01	HR	Hot Soil			
B-34	578795.720	3751875.000	0.08	0.01	NC	No Contact			
B-35	578797.850	3751872.560	0.13	0.01	NC	No Contact			
B-36	578797.330	3751874.180	0.13	0.02	HR	Hot Soil			
B-37	578798.300	3751873.820	0.12	0.01	NC	No Contact			
B-38	578806.200	3751874.310	0.10	0.01	NC	No Contact			
B-39	578806.090	3751875.090	0.10	0.01	NC	No Contact			
B-39	578807.230	3751874.030	0.10	0.01	NC	No Contact			
B-40	578809.740	3751874.090	0.00	0.01	MD	Frag	2.00		
B-41	578811.490	3751874.260	0.11	0.02	NC	No Contact	2.00		
B-42	578813.250	3751874.200	0.17	0.02	NC NC	No Contact			
B-43	578813.350	3751873.750	0.22	0.00	NC	No Contact			
B-44	578816.900	3751873.200	0.00		CD	6inch bolt	6.00	Vertical	270.00
B-45	578816.960	3751872.090	0.02	0.01 0.01	NC	No Contact	6.00	Vertical	270.00
B-46					NC NC				
	578816.790	3751874.470	0.06	0.01		No Contact			
B-48	578818.980	3751872.950	0.26	0.02	NC NC	No Contact			
B-49	578820.550		0.11	0.01	NC NC	No Contact			
B-50	578821.380		0.15	0.01	NC	No Contact			
B-51	578822.570		0.25	0.02	NC	No Contact			
B-52		3751878.500	0.09	0.01	NC NC	No Contact			
B-53	578817.730		0.09	0.01	NC	No Contact			
B-54	578816.060		0.18	0.01	NC	No Contact			
B-55	578815.730	3751874.900	0.28	0.01	NC NC	No Contact			
B-56	578814.370		0.06	0.01	NC NC	No Contact			
B-57	578813.080	3751876.550	0.05	0.01	NC	No Contact			
B-58	578811.040	3751876.510	0.23	0.02	NC	No Contact			
B-59	578809.920	3751875.700	0.15	0.01	NC	No Contact			
B-60	578810.340	3751877.630	0.18	0.01	NC	No Contact			
B-61	578811.920	3751877.170	0.09	0.01	NC	No Contact			
B-62	578810.440	3751876.110	0.10	0.00	NC	No Contact			
B-63	578807.790	3751875.760	0.23	0.01	NC	No Contact			
B-64	578806.340	3751875.890	0.23	0.02	NC	No Contact			
B-65	578806.280	3751876.960	0.07	0.01	NC	No Contact			
B-66	578806.990	3751878.930	0.05	0.01	NC	No Contact			

ID	Easting	Northing	Depth (m)	Size (m)	Dig Type	Comments	Depth (in)	Inclination	Azimuth
B-67	578806.040	3751879.400	0.07	0.01	NC	No Contact			
B-68	578798.360	3751876.720	0.08	0.01	NC	No Contact			
B-69	578797.750	3751875.840	0.04	0.01	NC	No Contact			
B-70	578795.910	3751876.730	0.03	0.01	NC	No Contact			
B-71	578794.800	3751877.360	0.14	0.01	NC	No Contact			
B-72	578795.000	3751876.850	0.06	0.01	NC	No Contact			
B-73	578795.350	3751878.310	0.19	0.02	MD	Frag	3.00	Vertical	360.00
B-74	578797.700	3751877.740	0.24	0.02	NC	No Contact			
B-75	578797.050	3751876.490	0.01	0.01	NC	No Contact			
B-76	578796.470	3751879.600	0.07	0.01	NC	No Contact			
B-77	578796.240	3751881.790	0.25	0.02	NC	No Contact			
B-78	578798.810	3751881.710	0.09	0.01	NC	No Contact			
B-79	578800.120	3751881.540	0.13	0.01	NC	No Contact			
B-80	578801.860	3751880.900	0.03	0.01	NC	No Contact			
B-81	578802.140	3751883.140	0.00	0.01	HR	Hot Soil			
B-82	578807.440	3751882.940	0.08	0.01	HR	Hot Soil			
B-83	578812.410	3751879.670	0.17	0.02	MD	Frag	12.00	Horizontal	180.00
B-84	578811.360	3751879.800	0.03	0.02	NC	No Contact	12.00	Honzontai	100.00
B-85	578811.850	3751881.980	0.03	0.01	NC	No Contact			
B-86	578813.050	3751881.000	0.17	0.01	NC	No Contact			
B-87	578814.690	3751882.080	0.17	0.01	NC	No Contact			
B-88	578813.370	3751882.650	0.34	0.03	NC	No Contact			
B-89	578818.010	3751879.810	0.20		NC NC	No Contact			
B-99				0.01 0.01	NC				
	578817.230	3751880.210	0.14			No Contact			
B-91	578822.100	3751879.750	0.32	0.03	HR	Hot Soil			
B-92	578821.490	3751880.700	0.16	0.01	HR	Hot Soil			
B-93 B-94	578821.650 578822.560	3751882.590	0.16	0.02	NC HR	No Contact			
		3751884.960	0.09	0.02		Hot Soil			
B-95	578822.290	3751884.230	0.15	0.01	NC NC	No Contact			
B-96	578821.600	3751885.450	0.11	0.02	NC	No Contact			
B-97	578820.440	3751885.100	0.20	0.01	NC	No Contact			
B-98	578818.810	3751883.610	0.26	0.02	NC	No Contact			
B-99		3751883.950	0.10	0.01	HR	Hot Soil			
		3751884.580	0.08	0.01	NC	No Contact			
B-101		3751883.120	0.02	0.01	HR	Hot Soil			
B-102		3751883.690	0.13	0.01	NC	No Contact			
		3751884.690	0.02	0.01	HR	Hot Soil			
	578813.760	3751883.510	0.24	0.02	NC	No Contact			
B-105		3751883.120	0.25	0.02	NC	No Contact			
	578809.680		0.08	0.01	HR	Hot Soil			
B-107	578808.740	3751884.190	0.23	0.02	NC	No Contact			
B-108		3751883.460	0.02	0.01	HR	Hot Soil			
B-109	578806.790	3751883.870	0.08	0.01	HR	Hot Soil			
B-110	578807.040	3751884.840	0.12	0.00	NC	No Contact			
B-111	578803.930	3751884.410	0.18	0.02	MD	Frag	1.00	Horizontal	270.00
B-112	578802.450	3751883.760	0.08	0.01	NC	No Contact			
B-113	578798.020	3751882.900	0.28	0.02	MD	Frag	2.00	Horizontal	45.00
B-114	578792.890	3751883.740	0.23	0.03	HR	Hot Soil			
B-115	578792.570	3751889.130	0.02	0.01	NC	No Contact			
B-116	578792.560	3751890.350	0.07	0.01	HR	Hot Soil			

ID	Easting	Northing	Depth (m)	Size (m)	Dig Type	Comments	Depth (in)	Inclination	Azimuth
B-117	578793.810	3751887.790	0.16	0.02	CD	Scrap Metal	10.00	Horizontal	90.00
B-118	578797.120	3751887.570	0.03	0.01	NC	No Contact			
B-119	578803.420	3751888.330	0.05	0.01	NC	No Contact			
B-120	578805.340	3751887.480	0.10	0.01	HR	Hot Soil			
B-121	578806.640	3751886.050	0.17	0.02	NC	No Contact			
B-122	578807.060	3751887.530	0.22	0.02	NC	No Contact			
B-123	578807.720	3751886.900	0.01	0.01	NC	No Contact			
B-124	578808.260	3751887.550	0.23	0.01	NC	No Contact			
B-125	578808.630	3751886.670	0.02	0.01	NC	No Contact			
B-126	578809.190	3751886.280	0.16	0.01	NC	No Contact			
B-127	578811.450	3751887.130	0.12	0.03	MD	Frag	8.00	Horizontal	270.00
B-128	578811.690	3751885.540	0.21	0.02	HR	Hot Soil			
B-129	578812.830	3751884.860	0.04	0.01	NC	No Contact			
B-130	578812.240	3751888.050	0.01	0.00	NC	No Contact			
B-131	578812.280	3751888.870	0.13	0.02	HR	Hot Soil			
B-132	578812.750	3751889.360	0.12	0.01	HR	Hot Soil			
B-133	578813.640	3751889.040	0.29	0.02	NC	No Contact			
B-134	578815.370	3751886.980	0.26	0.01	NC	No Contact			
B-135	578816.760	3751886.510	0.25	0.01	NC	No Contact			
B-136	578815.930	3751885.340	0.01	0.01	NC	No Contact			
B-137	578819.900	3751887.200	0.13	0.01	HR	Hot Soil			
B-138	578820.370	3751887.430	0.33	0.03	HR	Hot Soil			
B-139	578818.970	3751888.740	0.32	0.02	NC	No Contact			
B-140	578820.370	3751888.880	0.16	0.02	HR	Hot Soil			
B-141	578819.810	3751889.980	0.11	0.01	HR	Hot Soil			
B-142	578820.760	3751889.980	0.22	0.02	HR	Hot Soil			
B-143			0.19	0.01	HR	Hot Soil			
B-144	578821.270	3751888.090	0.03	0.01	NC	No Contact			
B-145	578821.340	3751888.750	0.15	0.01	HR	Hot Soil			
B-146	578822.090	3751889.420	0.26	0.02	HR	Hot Soil			
B-147	578821.850	3751887.600	0.29	0.01	HR	Hot Soil			

#### Notes:

- 1. Frag Munitions debris
- 2. No Contact No anomly reaqcuired at the location after investigation 30 cm below the predicted depth
- 3. Hot Soil Magnetic soil resulting in signature with Schonstedt.
- 4. Base Base plate of a 4.2-inch mortar
- 5. Nose Frag Munitions debris from the nose of a 4.2-inch mortar

# Table 5.1 Summary of Seed Item Placement ESTCP Site 18 - Camp Sibert

		Item/Anomaly				Depth to		
Description	Seed No.	ID	Northing	Easting	Inclination	Center (m)	Azimuth	Comments
PLS	42-032	42-125	578484.7902	3751379.288				
Plan			578485.28	3751379.89	Sideways	0.5	270	
Anomaly		84-13-684	578484.66	3751379.49				
PLS	42-033	42-071	578475.17	3751369.465				
Plan			578475.19	3751369.65	Down	0.4	30	
Anomaly		84-13-649	578475.31	3751369.59				
PLS	42-034	42-072	578464.5104	3751369.142				
Plan			578464.30	3751369.41	Sideways	0.2	60	
Anomaly		84-13-648	578464.46	3751369.20				
PLS	42-035	42-075	578443.2021	3751360.426				
Plan			578443.08	3751360.14	Down	0.4	210	
Anomaly		84-13-628	578443.03	3751360.65				
PLS	42-036	42-066	578445.219	3751369.258				
Plan			578445.11	3751369.24	Sideways	0.4	270	
Anomaly		84-13-647	578445.02	3751369.33				
PLS	42-037	42-168	578437.76	3751382.20				
Plan			578437.96	3751382.58	Up	0.6	210	
Anomaly		84-13-691	578437.59	3751382.11				
PLS	42-038	42-053	578447.69	3751389.38				
Plan			578447.96	3751389.81	Sideways	0.1	60	
Anomaly		84-13-713	578447.41	3751389.55				
PLS	42-039	42-166	578436.4964	3751398.479				
Plan			578436.41	3751398.68	Sideways	0.3	180	
Anomaly		84-13-744	578436.39	3751399.00				
PLS	42-040	42-165	578444.1732	3751403.12				
Plan			578443.81	3751403.72	Sideways	0.6	300	
Anomaly		84-14-759	578443.97	3751403.65				
PLS	42-041	42-068	578451.6591	3751397.222				
Plan			578451.86	3751397.70	Up	0.5	270	
Anomaly		84-13-738	578451.77	3751397.55				
PLS	42-042	42-062	578464.4337	3751410.841				
Plan			578464.20	3751411.12	Sideways	0.3	270	
Anomaly		84-14-781	578464.10	3751410.95				

# Table 5.1 Summary of Seed Item Placement ESTCP Site 18 - Camp Sibert

		Item/Anomaly				Depth to		
Description	Seed No.	ID	Northing	Easting	Inclination	Center (m)	Azimuth	Comments
PLS	42-043	42-144	578476.8214	3751410.532	1			
Plan			578476.90	3751410.38	Sideways	0.1	0	
Anomaly		84-14-782	578477.05	3751410.76				
PLS	42-044	42-074	578457.1261	3751415.654				
Plan			578456.98	3751415.67	Down	0.4	120	
Anomaly		84-14-803	578456.85	3751416.01				
PLS	42-045	42-164	578470.9093	3751427.881				
Plan			578470.72	3751428.51	Down	0.4	0	
Anomaly		84-14-856	578470.77	3751428.09				
PLS	42-046	42-130	578483.804	3751431.418				
Plan			578483.49	3751431.28	Sideways	0.3	90	
Anomaly		84-14-876	578483.44	3751431.56				
PLS	42-047	42-155	578492.9611	3751436.433				
Plan			578492.43	3751436.56	Down	0.3	270	
Anomaly		84-14-890	578492.86	3751436.72				
PLS	42-048	42-078	578472.7235	3751449.063				
Plan			578472.76	3751449.41	Sideways	0.3	30	
Anomaly		84-14-968	578472.75	3751449.52				
PLS	42-049	42-092	578461.829	3751453.323				
Plan			578462.27	3751453.80	Down	0.3	150	
Anomaly		84-14-991	578461.73	3751453.55				
PLS	42-050	42-154	578461.5006	3751466.915				
Plan			578461.13	3751467.54	Down	0.5	330	
Anomaly		84-14-1045	578461.38	3751467.09				
PLS	42-051	42-077	578486.4629	3751470.772				
Plan			578486.58	3751470.47	Sideways	0.2	300	
Anomaly		84-14-1063	578486.37	3751470.75				
PLS	42-052	42-159	578445.3272	3751463.539				
Plan			578444.87	3751463.80	Up	0.5	300	
Anomaly		84-14-1034	578445.24	3751463.80				
PLS	42-053	42-167	578442.9857	3751447.153				
Plan			578443.08	3751447.38	Down	0.5	60	
Anomaly		84-14-955	578442.94	3751447.52				

# Table 5.1 Summary of Seed Item Placement ESTCP Site 18 - Camp Sibert

		Item/Anomaly				Depth to		
Description	Seed No.	ID	Northing	Easting	Inclination	Center (m)	Azimuth	Comments
PLS	42-054	42-054	578472.9681	3751487.256				
Plan			578472.84	3751487.79	Sideways	0.2	240	
Anomaly		84-14-1264	578472.92	3751487.41				
PLS	42-055	42-090	578464.859	3751501.291				
Plan			578465.11	3751501.61	Up	0.4	270	
Anomaly		84-15-1302	578464.75	3751501.47				
PLS	42-056	42-082	578395.616	3751496.566				
Plan			578395.52	3751496.97	Sideways	0.3	180	
Anomaly		83-14-1291	578395.65	3751496.97				
PLS	42-057	42-088	578409.459	3751490.472				
Plan			578409.18	3751490.39	Down	0.6	330	
Anomaly		84-14-1275	578409.46	3751490.54				
PLS	42-058	42-101	578429.273	3751486.371				
Plan			578429.66	3751486.40	Down	0.5	270	
Anomaly		84-14-1258	578429.23	3751486.67				
PLS	42-059	42-151	578395.6412	3751482.543				
Plan			578395.68	3751482.91	Sideways	0.1	180	
Anomaly		83-14-1171	578395.45	3751482.74				
PLS	42-060	42-089	578376.4489	3751456.032				
Plan			578376.00	3751456.48	Sideways	0.8	240	
Anomaly		83-14-998	578376.42	3751456.28				
PLS	42-061	42-026	578407.3577	3751458.513				
Plan			578407.22	3751458.76	Down	0.3	300	
Anomaly		84-14-1009	578407.32	3751458.72				
PLS	42-062	42-099	578421.8756	3751463.926				
Plan			578421.78	3751464.13	Down	0.7	300	
Anomaly		84-14-1033	578421.45	3751464.28				
PLS	42-063	42-084	578418.2614	3751445.654				
Plan			578417.87	3751445.91	Down	0.4	90	
Anomaly		84-14-940	578418.08	3751445.70				
PLS	42-064	42-146	578430.9939	3751444.465				
Plan			578430.80	3751445.02	Up	0.8	150	
Anomaly		84-14-933	578430.66	3751444.47				

		Item/Anomaly				Depth to		
Description		ID	Northing	Easting	Inclination	Center (m)	Azimuth	Comments
PLS	42-065	42-152	578421.1574	3751431.975				
Plan			578420.72	3751432.58	Up	0.7	150	
Anomaly		84-14-874	578421.19	3751432.25				
PLS	42-066	42-094	578407.4313	3751437.113				
Plan			578406.57	3751436.97	Up	1	150	
Anomaly		84-14-894	578407.44	3751437.55				
PLS	42-067	42-147	578408.0038	3751427.07				
Plan			578408.12	3751427.13	Up	0.3	300	
Anomaly		84-14-853	578407.94	3751427.31				
PLS	42-068	42-136	578389.2757	3751429.156				
Plan			578389.50	3751429.57	Down	0.4	240	
Anomaly		83-14-860	578389.06	3751429.37				
PLS	42-069	42-135	578405.892	3751420.183				
Plan			578405.76	3751420.47	Sideways	0.2	150	
Anomaly		84-14-832	578405.67	3751420.56				
PLS	42-070	42-096	578408.2283	3751394.353				
Plan			578407.87	3751394.61	Up	0.4	150	
Anomaly		84-13-724	578407.99	3751394.44				
PLS	42-071	42-137	578424.70	3751391.65				
Plan			578425.03	3751392.17	Sideways	0.8	210	
Anomaly		84-13-719	578424.29	3751391.61				
PLS	42-072	42-098	578408.9763	3751381.945				
Plan			578408.69	3751382.66	Sideways	0.3	90	
Anomaly		84-13-690	578408.88	3751382.11				
PLS	42-073	42-095	578426.38	3751371.60				
Plan			578426.49	3751371.93	Sideways	0.2	270	
Anomaly		84-13-656	578426.21	3751371.55				
PLS	42-074	42-003	578415.3908	3751361.829				
Plan			578415.03	3751361.76	Sideways	0.1	270	
Anomaly		84-13-633	578415.42	3751362.05				
PLS	42-075	42-087	578380.5234	3751363.722				
Plan			578380.72	3751363.96	Up	0.5	240	
Anomaly		83-13-636	578380.38	3751363.99	,			

		Item/Anomaly				Depth to		
Description	Seed No.	ID	Northing	Easting	Inclination	Center (m)	Azimuth	Comments
PLS	42-076	42-004	578375.6059	3751377.876				
Plan			578375.84	3751377.86	Sideways	0.4	330	
Anomaly		83-13-679	578375.60	3751377.93				
PLS	42-077	42-174	578361.8639	3751381.044				
Plan			578361.94	3751381.36	Up	0.5	180	
Anomaly		83-13-689	578361.78	3751381.27				
PLS	42-078	42-086	578332.6127	3751402.325				
Plan			578333.24	3751402.42	Down	0.4	300	
Anomaly		83-14-756	578332.46	3751402.55				
PLS	42-079	42-141	578312.4983	3751412.775				
Plan			578312.34	3751412.99	Sideways	0.7	210	
Anomaly		83-14-791	578312.50	3751412.99				
PLS	42-080	42-097	578318.9669	3751431.267				
Plan			578319.09	3751431.12	Up	0.5	60	
Anomaly		83-14-870	578318.91	3751431.42				
PLS	42-081	42-093	578328.2432	3751445.896				
Plan			578327.71	3751446.08	Up	0.4	60	
Anomaly		83-14-938	578327.96	3751445.91				
PLS	42-082	42-091	578357.2773	3751447.959				
Plan			578357.06	3751447.95	Sideways	0.1	0	
Anomaly		83-14-1336	578357.20	3751448.35				
PLS	42-083	42-009	578340.2612	3751461.869				
Plan			578340.15	3751462.17	Sideways	0.1	240	
Anomaly		83-14-1022	578340.13	3751462.13				
PLS	42-084	42-017	578331.6126	3751469.919				
Plan			578331.45	3751470.14	Up	0.4	330	
Anomaly		83-14-1057	578331.40	3751469.90				
PLS	42-085	42-015	578299.914	3751470.287				
Plan			578299.66	3751470.47	Sideways	1.1	300	
Anomaly		83-14-1058	578299.75	3751470.39				
PLS	42-086	42-013	578277.7822	3751447.598				
Plan			578278.27	3751447.95	Sideways	0.4	60	
Anomaly		82-14-956	578277.56	3751447.73				

		Item/Anomaly				Depth to		
Description		ID	Northing	Easting	Inclination	Center (m)	Azimuth	Comments
PLS	42-087	42-021	578278.6704	3751440.979				
Plan			578278.93	3751440.71	Down	0.5	210	
Anomaly		82-14-914	578278.50	3751441.11				
PLS	42-088	42-023	578261.0161	3751441.641				
Plan			578261.36	3751442.01	Up	0.3	210	
Anomaly		82-14-915	578260.92	3751441.85				
PLS	42-089	42-008	578294.8381	3751422.75				
Plan			578294.70	3751422.74	Down	1.1	30	
Anomaly		82-14-838	578294.64	3751423.15				
PLS	42-090	42-006	578265.4359	3751419.254				
Plan			578265.35	3751419.49	Sideways	0.2	30	
Anomaly		82-14-823	578265.28	3751419.37				
PLS	42-091	42-139	578251.8716	3751416.103				
Plan			578251.93	3751415.91	Down	1	330	
Anomaly		82-14-804	578251.77	3751416.52				
PLS	42-092	42-011	578280.1873	3751411.244				
Plan			578280.14	3751411.36	Sideways	0.5	240	
Anomaly		82-14-783	578280.00	3751411.39				
PLS	42-093	42-132	578256.74	3751385.85				
Plan			578256.89	3751386.07	Up	0.4	90	
Anomaly		82-13-706	578256.68	3751386.07				
PLS	42-094	42-138	578275.7004	3751378.625				
Plan			578275.43	3751378.92	Up	0.3	300	
Anomaly		82-13-682	578275.58	3751378.80				
PLS	42-095	42-131	578285.0876	3751374.049				
Plan			578284.86	3751374.12	Up	0.5	270	
Anomaly		82-13-661	578284.98	3751374.30				
PLS	42-096	42-022	578292.9507	3751378.404				
Plan			578293.40	3751378.51	Down	0.8	300	
Anomaly		82-13-678	578292.82	3751378.58				
PLS	42-097	42-005	578304.2305	3751380.707				
Plan			578304.29	3751380.22	Up	0.4	30	
Anomaly		83-13-687	578304.09	3751380.95				

		Item/Anomaly				Depth to		
Description		ID	Northing	Easting	Inclination	Center (m)	Azimuth	Comments
PLS	42-098	42-157	578257.095	3751367.634				
Plan			578256.08	3751368.11	Up	1.1	270	
Anomaly		82-13-643	578257.00	3751367.90				
PLS	42-099	42-140	578272.2686	3751365.119				
Plan			578270.14	3751367.70	Down	0.5	330	
Anomaly		82-13-638	578272.09	3751365.34				
PLS	42-100	42-014	578283.6966	3751360.718				
Plan			578281.69	3751363.39	Down	0.5	180	
Anomaly		82-13-629	578283.54	3751360.90				
PLS	42-101	42-019	578270.2934	3751352.693				
Plan			578268.11	3751355.26	Up	0.5	330	
Anomaly		82-13-611	578270.11	3751352.90				
PLS	42-102	42-010	578294.2019	3751357.825				
Plan			578292.42	3751360.46	Sideways	1	120	
Anomaly		82-13-620	578294.10	3751357.93				
PLS	42-103	42-126	578820.5384	3751692.012				
Plan			578821.25	3751694.30	Down	1.1	120	
Anomaly		88-16-57	578820.47	3751692.37				
PLS	42-104	42-050	578832.0899	3751710.453				
Plan			578832.06	3751710.60	Sideways	0.3	90	
Anomaly		88-17-121	578831.83	3751710.62				
PLS	42-105	42-120	578831.9687	3751701.33				
Plan			578831.58	3751701.40	Up	0.4	90	
Anomaly		88-17-103	578831.88	3751701.57				
PLS	42-106	42-183	578840.2398	3751701.051				
Plan			578840.13	3751701.57	Down	0.3	270	
Anomaly		88-17-101	578840.10	3751701.29				
PLS	42-107	42-049	578843.6762	3751711.281				
Plan			578843.84	3751711.41	Sideways	0.5	360	
Anomaly		88-17-122	578843.70	3751711.49				
PLS	42-108	42-113	578835.1518	3751684.456				
Plan			578834.80	3751684.62	Down	0.7	240	
Anomaly		88-16-45	578835.08	3751684.72				

		Item/Anomaly				Depth to		
Description	Seed No.	ID	Northing	Easting	Inclination	Center (m)	Azimuth	Comments
PLS	42-109	42-195	578823.3765	3751669.361				
Plan			578823.35	3751669.62	Sideways	0.1	270	
Anomaly		88-16-27	578823.28	3751669.57				
PLS	42-110	42-184	578827.5038	3751661.378				
Plan			578827.38	3751661.55	Sideways	0.2	270	
Anomaly		88-16-21	578827.37	3751661.60				
PLS	42-111	42-194	578837.7799	3751661.105				
Plan			578837.71	3751661.39	Sideways	0.1	150	
Anomaly		88-16-20	578837.64	3751661.41				
PLS	42-112	42-196	578844.1558	3751655.664				
Plan			578844.48	3751656.23	Down	0.5	240	
Anomaly		88-16-15	578844.08	3751655.89				
PLS	42-113	42-115	578839.8565	3751646.537				
Plan			578839.32	3751647.03	Up	0.8	270	
Anomaly		88-16-1116	578839.73	3751646.79				
PLS	42-114	42-117	578832.2227	3751640.329				
Plan			578832.22	3751640.57	Sideways	0.1	0	
Anomaly		88-16-04	578832.15	3751640.52				
PLS	42-115	42-186	578852.8208	3751648.416				
Plan			578852.55	3751648.64	Sideways	0.3	60	
Anomaly		88-16-08	578852.85	3751648.77				
PLS	42-116	42-193	578853.0204	3751657.775				
Plan			578852.39	3751658.00	Down	0.4	330	
Anomaly		88-16-18	578852.86	3751658.06				
PLS	42-117	42-199	578855.5676	3751642.299				
Plan			578855.94	3751642.19	Up	0.9	300	
Anomaly		88-16-06	578855.44	3751642.56				
PLS	42-118	42-182	578869.0729	3751644.864				
Plan			578868.52	3751645.09	Down	0.5	60	
Anomaly		88-16-07	578868.83	3751645.06				
PLS	42-119	42-044	578875.5861	3751653.893			İ	
Plan			578875.95	3751654.29	Down	0.4	30	
Anomaly		88-16-1118	578875.43	3751654.12				

		Item/Anomaly				Depth to		
Description		ID	Northing	Easting	Inclination	Center (m)	Azimuth	Comments
PLS	42-120	42-177	578861.4295	3751664.526				
Plan			578861.10	3751664.62	Sideways	0.4	240	
Anomaly		88-16-23	578861.46	3751664.82				
PLS	42-121	42-198	578858.5565	3751704.65				
Plan			578858.52	3751704.47	Down	0.4	150	
Anomaly		88-17-109	578858.54	3751704.91				
PLS	42-122	42-033	578865.5732	3751714.431				
Plan			578865.62	3751714.80	Sideways	0.1	240	
Anomaly		88-17-126	578865.51	3751714.67				
PLS	42-123	42-181	578875.36	3751709.50				
Plan			578875.46	3751709.63	Sideways	0.4	210	
Anomaly		88-17-119	578875.54	3751709.41				
PLS	42-124	42-192	578878.2342	3751677.188				
Plan			578877.72	3751677.52	Up	0.6	360	
Anomaly		88-16-38	578878.05	3751677.27				
PLS	42-125	42-057	578886.718	3751674.451				
Plan			578887.08	3751675.10	Sideways	0.9	330	
Anomaly		88-16-33	578886.64	3751674.64				
PLS	42-126	42-106	578880.5677	3751663.368				
Plan			578880.79	3751663.81	Sideways	0.4	60	
Anomaly		88-16-22	578880.38	3751663.54				
PLS	42-127	42-036	578892.1002	3751652.636				
Plan			578891.76	3751652.68	Sideways	0.4	180	
Anomaly		88-16-12	578892.11	3751653.11				
PLS	42-128	42-045	578906.9163	3751655.1				
Plan			578906.60	3751655.58	Down	0.6	60	
Anomaly		89-16-1119	578906.77	3751655.38				
PLS	42-129	42-163	578918.6712	3751657.482				
Plan			578918.54	3751657.35	Up	0.4	30	
Anomaly		89-16-152	578918.40	3751657.30				
PLS	42-130	42-191	578892.9637	3751705.603				
Plan			578893.05	3751705.76	Sideways	0.5	150	
Anomaly		88-17-111	578892.95	3751705.91				

		Item/Anomaly				Depth to		
Description	Seed No.	ID	Northing	Easting	Inclination	Center (m)	Azimuth	Comments
PLS	42-131	42-032	578880.4419	3751719.958				
Plan			578880.47	3751720.12	Sideways	0.2	330	
Anomaly		88-17-133	578880.45	3751720.03				
PLS	42-132	42-030	578888.6883	3751722.898				
Plan			578888.69	3751723.51	Up	0.5	150	
Anomaly		88-17-135	578888.59	3751723.07				
PLS	42-133	42-031	578895.825	3751716.393				
Plan			578895.63	3751716.73	Down	0.3	240	
Anomaly		88-17-130	578895.74	3751716.61				
PLS	42-134	42-042	578903.151	3751711.927				
Plan			578903.22	3751712.38	Up	1.1	240	
Anomaly		NA	NA	NA				Item Dug Cluster 1383
PLS	42-135	42-197	578913.9051	3751689.264				
Plan			578914.03	3751689.14	Down	0.5	120	
Anomaly		89-16-197	578913.81	3751689.40				
PLS	42-136	42-112	578925.6265	3751692.83				
Plan			578925.80	3751692.69	Down	0.5	240	
Anomaly		89-16-202	578925.52	3751693.07				
PLS	42-137	42-128	578930.6728	3751685.404				
Plan			578930.32	3751685.43	Down	0.3	180	
Anomaly		89-16-189	578930.63	3751685.67				
PLS	42-138	42-048	578919.1108	3751671.033				
Plan			578918.87	3751671.55	Up	0.5	120	
Anomaly		89-16-167	578919.00	3751671.36				
PLS	42-139	42-107	578937.9925	3751672.047				
Plan			578937.58	3751673.33	Sideways	1	180	
Anomaly		89-16-170	578937.93	3751672.35	-			
PLS	42-140	42-038	578939.5523	3751665.719				
Plan			578939.36	3751666.07	Sideways	0.5	120	
Anomaly		89-16-161	578939.58	3751665.96				
PLS	42-141	42-170	578944.4959	3751656.047				
Plan			578943.88	3751656.06	Sideways	0.7	90	
Anomaly		89-16-149	578944.32	3751656.23				

		Item/Anomaly				Depth to		
Description	Seed No.	ID	Northing	Easting	Inclination	Center (m)	Azimuth	Comments
PLS	42-142	42-148	578924.2824	3751647.42				
Plan			578924.19	3751647.67	Sideways	0.2	300	
Anomaly		89-16-1117	578924.26	3751647.68				
PLS	42-143	42-037	578959.6112	3751656.782				
Plan			578959.04	3751656.55	Down	0.8	180	
Anomaly		89-16-151	578959.54	3751657.07				
PLS	42-144	42-176	578956.0093	3751667.325				
Plan			578955.98	3751667.52	Sideways	0.2	120	
Anomaly		89-16-162	578955.87	3751667.58				
PLS	42-145	42-069	578949.535	3751675.423				
Plan			578949.36	3751675.75	Sideways	0.2	60	
Anomaly		89-16-173	578949.45	3751675.73				
PLS	42-146	42-119	578947.5026	3751686.194				
Plan			578947.91	3751686.08	Up	0.5	270	
Anomaly		89-16-191	578947.45	3751686.44				
PLS	42-147	42-116	578944.1505	3751700.048				
Plan			578944.20	3751700.11	Sideways	0.4	30	
Anomaly		89-17-250	578944.12	3751700.37				
PLS	42-148	42-173	578942.7197	3751713.419				
Plan			578942.75	3751713.67	Sideways	0.2	330	
Anomaly		89-17-286	578942.68	3751713.58				
PLS	42-149	42-043	578933.0332	3751721.065				
Plan			578932.42	3751721.57	Up	0.5	150	
Anomaly		89-17-304	578932.93	3751721.28				
PLS	42-150	42-040	578929.3776	3751729.955				
Plan			578929.19	3751729.96	Sideways	0.8	30	
Anomaly		89-17-324	578929.38	3751730.14				
PLS	42-151	42-029	578925.1135	3751741.132				
Plan			578925.16	3751741.58	Up	0.4	180	
Anomaly		89-17-342	578925.03	3751741.29				
PLS	42-152	42-111	578943.4488	3751747.538				
Plan			578943.39	3751747.71	Up	0.3	120	
Anomaly		89-17-350	578943.33	3751747.79		_		-

		Item/Anomaly				Depth to		
Description	Seed No.	ID	Northing	Easting	Inclination	Center (m)	Azimuth	Comments
PLS	42-153	42-076	578954.6519	3751752.304				
Plan			578954.36	3751752.39	Sideways	0.3	330	
Anomaly		89-17-360	578954.73	3751752.44				
PLS	42-154	42-039	578945.0749	3751733.888				
Plan			578945.01	3751734.32	Down	0.5	90	
Anomaly		89-17-331	578944.91	3751734.18				
PLS	42-155	42-047	578954.65	3751729.03				
Plan			578954.85	3751729.64	Down	0.4	30	
Anomaly		89-17-323	NA	NA				
PLS	42-156	42-051	578912.4368	3751715.723				
Plan			578912.57	3751715.76	Down	0.5	180	
Anomaly		89-17-289	578912.27	3751715.97				
PLS	42-157	42-162	579008.64	3751677.01				
Plan			579006.48	3751674.78	Sideways	0.5	270	
Anomaly		90-16-392	579008.45	3751676.63				
PLS	42-158	42-175	579021.9262	3751707.929				
Plan			579022.29	3751707.70	Up	0.5	330	
Anomaly		90-17-415	579021.94	3751707.89				
PLS	42-159	42-129	579003.23	3751694.02				
Plan			579003.09	3751693.98	Sideways	0.3	30	
Anomaly		90-16-402	579003.18	3751693.91				
PLS	42-160	42-028	578980.5517	3751688.18				
Plan			578980.50	3751688.17	Sideways	1.1	90	
Anomaly		89-16-192	578979.78	3751688.08				
PLS	42-161	42-127	578983.9081	3751725.412				
Plan			578983.57	3751725.77	Up	0.3	120	
Anomaly		89-17-315	578983.81	3751725.67				
PLS	42-162	42-058	578960.927	3751725.875				
Plan			578960.66	3751726.09	Sideways	0.3	90	
Anomaly		89-17-314	578960.66	3751726.09				
PLS	42-163	42-161	579003.2335	3751754.426				
Plan			579003.25	3751755.13	Up	1	180	
Anomaly		90-17-430	579003.15	3751754.60				

		Item/Anomaly				Depth to		
Description	Seed No.	ID	Northing	Easting	Inclination	Center (m)	Azimuth	Comments
PLS	42-164	42-027	578969.7264	3751712.569				
Plan			578970.02	3751712.54	Down	0.4	120	
Anomaly		89-17-283	578969.67	3751712.79				
PLS	42-165	42-104	579028.922	3751624.779				
Plan			579029.23	3751624.76	Sideways	0.3	270	
Anomaly		NA	579034.13	3751631.61				Item Moved Due to Farming
PLS	42-166	42-124	579038.5795	3751619.725				
Plan			579038.11	3751620.08	Up	0.7	90	
Anomaly		90-16-584	579038.53	3751619.74				
PLS	42-167	42-110	579024.4745	3751579.371				
Plan			579024.39	3751579.91	Sideways	0.5	60	
Anomaly		90-15-531	579024.30	3751579.66				
PLS	42-168	42-105	579024.8245	3751594.053				
Plan			579032.62	3751584.75	Down	0.3	150	
Anomaly		90-15-549	579024.75	3751594.31				
PLS	42-169	42-118	579018.7614	3751563.344				
Plan			579018.58	3751563.77	Sideways	0.6	120	
Anomaly		90-15-512	579018.84	3751563.58				
PLS	42-170	42-109	579013.3833	3751552.754				
Plan			579013.26	3751553.12	Sideways	0.3	120	
Anomaly		90-15-491	579013.09	3751553.03				
PLS	42-171	42-081	579033.7012	3751540.775				
Plan			579033.43	3751541.02	Up	0.5	30	
Anomaly		90-15-469	579033.71	3751540.76				
PLS	42-172	42-108	579023.6909	3751542.072				
Plan			579023.75	3751542.15	Sideways	0.1	300	
Anomaly		90-15-472	579023.77	3751542.20				
PLS	42-173	42-102	579057.1551	3751522.299				
Plan			579056.66	3751522.95	Down	1	330	
Anomaly		90-15-444	579056.57	3751522.55				
PLS	42-174	42-133	579067.2294	3751559.593				
Plan			579067.15	3751560.06	Sideways	0.4	210	
Anomaly		90-15-506	579067.04	3751559.69				

		Item/Anomaly				Depth to		
Description	Seed No.	-	Northing	Easting	Inclination	Center (m)	Azimuth	Comments
PLS	42-175	42-121	579042.2492	3751566.238				
Plan			579042.46	3751566.84	Up	0.4	300	
Anomaly		90-15-518	579042.46	3751566.61				
PLS	42-176	42-083	579012.0049	3751611.16				
Plan			579011.64	3751611.69	Down	0.4	90	
Anomaly		90-16-579	579011.79	3751611.42				
PLS	42-177	42-034	578986.7805	3751745.719				
Plan			578986.64	3751745.87	Down	0.9	150	
Anomaly		NA	NA	NA				Item Dug Cluster 1384
PLS	42-178	42-156	579003.231	3751731.994				
Plan			579003.26	3751732.11	Up	0.3	210	
Anomaly		90-17-421	579003.21	3751732.02				
PLS	42-179	42-156	579016.9468	3751727.015				
Plan			579016.83	3751727.33	Sideways	0.5	60	
Anomaly		90-17-420	579016.85	3751727.24				
PLS	42-180	42-122	579030.9089	3751694.076				
Plan			579030.78	3751694.27	Up	0.3	150	
Anomaly		90-16-404	579031.05	3751693.88	•			
PLS	42-181	42-143	579004.9543	3751703.433				
Plan			579005.17	3751703.44	Up	0.4	330	
Anomaly		90-17-1127	579004.91	3751703.46				

Notes:

PLS - Public Land Surveyor

#### Table 7.1 Mag-n-Flag Anomalies ESTCP Site 18 - Camp Sibert

Mag-n-			ESTCP Anomaly
Flag ID	Easting	Northing	ID
mf-1	578926.909	3751704.68	261
mf-2	578926.394	3751702.46	253
mf-3	578925.581	3751693.25	202
mf-4	578930.557	3751685.49	189
mf-5	578930.589	3751696.58	1100
mf-6	578930.214	3751701.24	1091
mf-7	578931.196	3751702.45	373
mf-8	578934.53	3751708.86	275
mf-9	578935.47	3751708.05	1086
mf-10	578933.549	3751706.01	267
mf-11	578933.98	3751705.18	1087
mf-12	578934.185	3751699.78	1099
mf-13	578934.26	3751696.14	1101
mf-14		3751693.58	203
mf-15	578934.755		1107
mf-16	578936.247	3751695.5	1102
mf-17	578935.901	3751697.44	1103
mf-18	578936.027	37517037.44	1088
mf-19	578936.966	3751704.28	1089
mf-20	578938.07	3751704.41	1090
mf-21	578938.19	3751704.41	254
mf-22	578937.629	3751695.92	1104
mf-23	578937.875	3751695.67	1105
mf-24	578937.064	3751693.33	1106
mf-25	578938.684	3751691	199
mf-26	578938.842	3751691.04	199
mf-27	578938.361	3751686.08	190
mf-28	578944.494	3751684.94	1111
mf-29	578943.587	3751690.17	1109
mf-30	578942.429	3751690.12	1108
mf-31	578947.439	3751686.34	191
mf-32		3751694.23	205
mf-33	578943.915		250
mf-34	578943.154		262
mf-35	578943.585	3751707.99	1092
mf-36	578943.502	3751707.99	1093
mf-37	578946.735	3751709.77	1094
mf-38	578948.534	3751707.02	1095
mf-39	578948.129	3751695.87	209
mf-40	578949.916	3751693.87	1110
mf-41	578950.158	3751691.48	1112
mf-42	578950.156	3751680.07	1113
mf-43	578953.546	3751686.98	1114
mf-44	578954.683	3751687.06	1115
mf-45	578949.966	3751704.28	259
mf-46	578950.247	3751704.28	1096
mf-47	578950.247	3751703.86	1097
mf-48			1097
mf-49	578954.595 578953.799	3751704.31 3751702.56	255
mf-50	578953.85	3751699.84	234

Table 8.1 Single Point Anomaly Resutls ESTCP Site 18 - Camp Sibert

\$2007   10.08 AM														UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
TimeStamp   Alias   Anomaly ID   10   Depth					(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
E2007 1008 MI	TimoStamn	Λliae	Anomaly ID	Flag		Denth	Inclination	Azimuth	Identification		Length		Dia Type	Easting	Northing	Eacting	Northing	A Facting	Δ Northing
625007 3:53 PM   2   88-16-02   20   3   0   0   Rock   2   4   Achel   MD   S7889.88   3751693.48   67889.88   3751693.48   0.001   620007 10:06 AM   4   88-16-05   2   12   0   10   Seeds   11   45   Achal   MD   S7889.88   3751693.48   57889.28   3751693.48   0.001   620007 10:06 AM   4   88-16-05   2   12   0   10   Seeds   11   45   Achal   Seed Imm   S7889.20   3751693.25   57889.21   3751693.25   0.001   620007 10:19 AM   7   88-16-05   2   2   0   0   Rock   2   2   Achal   Seed Imm   S7889.20   3751693.25   3751693.25   3751693.25   0.002   620007 11:39 AM   7   88-16-07   48   60   48   60   48   60   Seeds   11   45   Achal   Seed Imm   S7889.64   3751693.25		Alias		טו	-												•		
F2007   12:19 PM   3   86:16:03   14   18   4-55   340   F100   1   6   Actual   Seed tem   78832.01   375:1630.81   78783.81   7375:1630.12   0.01		1																	-0.195
62007 1126 AM																			0.083
62007   11-31 AM   1																			0.053
F20007   113 PM   6   88-16-06   84   90   90   0   Seeds   11   45   Actual   Seed   Item   57885.42   3751642.56   67885.84   3751642.56   0.002						_													0.011
Factor   11:31 AM   7																			0.1
\$\frac{92007 1128 AM   6   88+16-09   42   30   0   40   \$\frac{9}{500d5}   8   45   Actual   \$\frac{9}{500d5}   \$\frac{7}{500d7}   \$\frac{106}{500d7}   \$						_													-0.051
F2007 11044 M																			-0.017
F2007 11:01 AM   10		-								_									-0.085
F20007 1136 AM   11						_													0.013
FACURD 11-128   R8-16-12							Ŭ		- 3										-0.097
62007 11:26 AM   13   88-16-13   8   8   4-45   120   Frag   2   9   Actual   MD   578855.82   3751654.40   578855.82   3751654.29   0   10:2007 11:30 AM   14   88-16-15   42   60   90   0   Seeds   12   4-5   Actual   Seed Item   37894.00   3751655.92   57883.13   3751655.89   0.015   62007 11:37 AM   16   88-16-15   42   60   90   0   Seeds   12   4-5   Actual   Seed Item   37894.00   3751655.92   57883.13   3751655.89   0.015   62007 11:37 AM   16   88-16-15   42   60   90   0   Seeds   12   4-5   Actual   Seed Item   37894.00   3751655.92   57884.00   3751655.89   0.015   62007 11:32 AM   17   88-16-17   14   15   4-5   60   Frag   3   8   Actual   MD   57885.81   3751656.79   57887.78   3751656.81   0.036   62007 11:32 AM   18   88-16-18   43   45   90   0   Seeds   11   4-5   Actual   Seed Item   57882.92   3751657.80   578852.80   3751656.81   0.036   62007 11:32 AM   18   88-16-19   12   5   0   180   Halfshell   8   31   Actual   MD   57886.68   3751658.97   578857.80   3751656.87   0.062   62007 10:10 AM   20   88-16-19   12   5   0   180   Halfshell   8   31   Actual   MD   57886.68   3751658.97   0.048   62007 10:00 AM   20   88-16-19   12   5   0   250   Seeds   9   45   Actual   MD   57886.68   3751658.97   3751655.97   0.048   62007 10:00 AM   20   88-16-20   325   41   40   45   20   Seeds   9   45   Actual   Seed Item   37887.44   375165.65   3751658.39   3751655.97   0.048   62007 10:00 AM   20   88-16-21   32   25   0   250   Seeds   9   45   Actual   Seed Item   37887.44   375165.65   57880.34   3751665.50   0.074   0.																			0.015
F20071   1003 AM   14   88-16-14   12   8   4-5   350   Frag   2   11   Actual   MD   57883-90   3751655.21   57883-91   3751655.25   -0.09   620071   137 AM   16   88-16-16   6   2   90   0   Scrap Metal   5   28   Actual   Cultural   57881-12   3751655.35   57881-52   378165.35   37881-52   37881-52   378165.35   37881-52						_													-0.179
R2007 10:19 AM   15   88-16-15   42   60   -90   0   Seeds   12   45   Actual   Seed Item   57884 109   3751655.92   57884 102   3751655.89   57885.28   375165.89   57885.28   375165.93   375165.93																			0.108
16/20/07/11/37 AM   16						_													-0.043
Figure 11   Figure 12   Figure 12   Figure 12   Figure 13   Figure 13   Figure 13   Figure 13   Figure 14   Figu																			0.031
ECOUNT 11:22 AM   18																			0.044
Figure 11:00   Figure 12:00   Figure 13:00   Figure 14:00   Figu																			-0.021
6/20/07 10:01 AM																			-0.109
6/20/07 9:55 AM										_		Actual							0.014
6/20/07 11:40 AM   22   88-16-22																			-0.041
6/20/07 10:24 PM 23 88-16-23 50 30 -45 180 Seeds 8 45 Approximate Seed Item 578861.36 3751664.72 578861.46 3751664.82 -0.098 6/20/07 10:21 AM 24 88-16-24 7 5 0 60 Nose Frag 3 7 Actual MD 578881.04 3751666.37 57863.04 3751666.30 0.091 6/20/07 10:58 AM 25 88-16-25 22 24 -45 310 Nose Frag 5 7 Actual MD 578880.49 3751666.37 57830.40 3751666.30 0.091 6/20/07 10:58 AM 27 88-16-25 22 24 -45 310 Nose Frag 3 9 Actual MD 578880.49 3751666.37 578866.80 3751667.30 578866.80 3751677.30 57886.80 3751672.30 578866.80 3751672.30 578866.80 3751672.30 578866.90 3751672.30 578866.90 3751672.30 578866.90 3751672.30 578866.90 3751672.30 578866.90 3751672.30 578866.90 3751672.30 578866.90 3751672.30 578866.90 3751672.30 578866.90 3751672.30 578866.90 3751672.30 578866.90 3751674.50 578866.90 3751672.30 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 3751674.50 578866.90 37516							•			_		Actual	Seed Item						-0.036
6/20/07 10:21 AM																			-0.019
6/20/07 9:58 AM 25 88-16-25 22 24 -45 310 Nose Frag 5 7 Actual MD 578830.49 3751666.37 578830.40 3751666.30 0.091 6/21/07 1:16 PM 26 88-16-26 17 13 0 0 Frag 3 9 Actual MD 578866.90 3751667.30 578666.80 3751667.30 0.042 6/20/07 9:58 AM 27 88-16-27 20 5 0 270 Seeds 12 45 Actual Seed Item 578823.23 2751669.65 578852.28 3751669.57 0.042 6/21/07 1:10 PM 28 88-16-28 26 15 -60 190 Frag 2 7 Actual MD 578851.37 3751669.66 578851.45 3751669.79 -0.084 6/21/07 1:22 PM 29 88-16-29 75 105 0 0 Soils 4 0 Actual Soils 578862.20 3751669.20 3751669.79 -0.084 6/20/07 1:22 PM 29 88-16-30 2.33 16 0 0 Frag 3 9 Actual MD 578851.37 2751669.92 575862.14 3751670.13 0.057 6/20/07 10:24 PM 30 88-16-30 2.33 16 0 0 Frag 3 9 Actual MD 5788851.37 275169.23 578862.14 3751672.44 -0.104 6/20/07 11:35 PM 33 88-16-32 15 10 0 40 Frag 6 10 Actual MD 5788831.22 3751672.70 578898.31 3751672.84 0.247 6/20/07 10:23 PM 32 88-16-32 15 17 0 80 Frag 4 11 Actual MD 578834.85 3751673.39 -0.082 6/21/07 1:35 PM 33 88-16-33 1055 105 4-55 340 Seeds 10 45 Actual Seed Item 578886.07 3751674.64 55 578886.64 3751674.64 0.065 6/20/07 10:29 PM 35 88-16-35 7 9 0 260 Frag 2 8 Actual MD 578836.65 3751674.47 578819.30 3751674.64 0.065 6/20/07 10:29 PM 35 88-16-35 7 9 0 260 Frag 2 8 Actual MD 578886.65 3751676.45 578850.5 3751676.35 0.166 6/21/07 1:17 PM 36 88-16-36 18 8 0 0 Frag 2 4 Approximate MD 578836.56 3751676.64 578870.5 3751676.35 0.166 6/21/07 1:18 AM 37 88-16-35 18 8 0 0 Frag 2 4 Approximate MD 578836.56 3751676.64 578870.5 3751676.35 0.166 6/21/07 1:18 PM 38 88-16-36 18 8 0 0 0 Frag 2 4 Approximate MD 578836.12 3751676.65 578850.5 3751676.33 0.166 6/21/07 1:18 PM 38 88-16-36 18 8 0 0 0 Frag 2 4 Approximate MD 578836.12 3751676.64 578870.5 3751676.33 0.166 6/21/07 1:18 PM 38 88-16-35 18 8 0 0 0 Frag 2 4 Approximate MD 578836.12 3751676.65 578850.5 3751676.31 0.166 6/21/07 1:18 PM 38 88-16-35 18 8 0 0 0 Frag 2 4 Approximate MD 578836.12 3751676.65 578850.5 3751676.31 0.166 6/21/07 1:08 PM 38 88-16-35 18 8 0 0 0 Frag 4 8 Actual MD 578889.9 3751681.42 578890.10 375167												Approximate							-0.095
6/21/07 1:16 PM 26 88-16-26 17 13 0 0 Frag 3 9 Actual MD 578866.90 3751667.30 578866.86 3751667.53 0.04 6/20/07 1:10 PM 28 88-16-27 20 5 0 270 Seeds 12 45 Actual Seed Item 57823.22 3751693.60 578823.22 3751693.60 578823.22 3751693.60 578823.22 3751693.60 578823.22 3751693.60 578823.22 3751693.60 578823.22 3751693.60 578823.22 3751693.60 578823.22 3751693.60 578823.22 3751693.60 578823.22 3751693.60 578823.22 3751693.60 578823.22 3751693.60 578823.23 3751693.60 578823.23 3751693.60 578823.23 3751693.60 578823.23 3751693.60 578823.23 3751693.60 578823.23 3751693.60 578823.23 3751693.60 578823.23 3751693.60 578823.23 3751693.60 578823.23 3751693.60 578823.23 3751693.60 578823.23 3751693.60 578823.23 3751693.60 578823.23 3751693.60 578823.23 3751693.60 578823.23 3751693.30 5751693.20 578823.23 375169	6/20/07 10:21 AM		88-16-24		-	5	0	60	Nose Frag		7	Actual		578841.04	3751665.49	578841.09	3751665.50	-0.048	-0.005
6/20/07 9:53 AM 27 88-16-27 20 5 0 270 Seeds 12 45 Actual Seed Item 578823.32 3751669.60 578823.28 3751669.57 0.042 6/21/07 1:10 PM 28 88-16-28 26 15 -60 190 Frag 2 7 Actual MD 578851.37 3751669.66 578851.45 3751669.79 -0.084 6/21/07 1:22 PM 29 88-16-29 75 105 0 0 Solis 4 0 Actual Solis 578862.20 3751669.20 3751672.30 578862.14 3751670.3 0.057 8/20/07 10:24 AM 30 88-16-30 23 16 0 0 0 Frag 3 9 Actual MD 578831.72 3751672.36 578831.82 3751672.44 -0.104 6/20/07 10:23 AM 31 88-16-31 15 10 0 40 Frag 6 10 Actual MD 578898.56 3751672.70 578898.31 3751672.84 0.247 8/20/07 10:23 AM 32 88-16-32 15 17 0 80 Frag 4 111 Actual MD 578898.56 3751673.46 578886.40 3751673.49 6/20/07 10:29 AM 33 88-16-33 105 105 -45 340 Seeds 10 45 Actual Seed Item 578886.70 3751674.65 578886.44 3751674.64 0.085 6/20/07 10:29 AM 34 88-16-34 29 23 -90 160 Scrap Metal 3 8 Actual Cultural 578819.30 3751674.47 578819.30 3751674.52 -0.001 6/21/07 1:07 PM 35 88-16-35 7 9 0 260 Frag 2 8 Actual MD 578876.58 3751675.89 57865.75 3751675.93 -0.166 6/21/07 1:17 PM 36 88-16-35 18 8 0 0 0 Frag 2 4 Approximate MD 578876.58 3751675.89 57865.75 3751675.93 -0.166 6/21/07 1:19 PM 36 88-16-37 14 10 0 0 160 Frag 7 17 Actual MD 578838.12 3751676.66 57887.05 3751677.4 0 57887.05 3751677.4 57887.05 3751677.27 0.106 6/21/07 1:19 PM 38 88-16-39 14 3 3 -45 260 Frag 4 9 Actual MD 578838.12 3751678.40 578851.15 3751681.89 0.0067 6/21/07 1:07 PM 41 88-16-41 14 10 0 160 Frag 4 9 Actual MD 57889.99 3751681.42 57889.01 3751681.89 0.0067 6/21/07 1:07 PM 41 88-16-41 14 10 0 160 Frag 4 9 Actual MD 57889.99 3751681.42 57889.01 3751681.89 0.0067 6/21/07 1:07 PM 41 88-16-41 14 10 0 160 Frag 4 9 Actual MD 57889.99 3751681.42 57889.01 3751682.99 0.017 6/21/07 1:07 PM 41 88-16-42 9 11 0 0 150 Frag 2 9 Actual MD 57889.90 3751681.												Actual							0.066
6/21/07 1:10 PM 28 88-16-28 26 15 -60 190 Frag 2 7 Actual MD 578851.37 3751669.66 578851.45 3751669.79 -0.084 6/21/07 1:22 PM 29 88-16-29 75 105 0 0 Soils 4 0 Actual Soils 578862.20 3751669.92 578862.14 3751670.13 0.057 6/20/07 10:24 AM 30 88-16-30 23 16 0 0 Frag 3 9 Actual MD 578831.72 3751672.36 578862.14 3751672.34 -0.104 6/20/07 11:43 AM 31 88-16-31 15 10 0 40 Frag 6 10 Actual MD 578898.56 3751672.70 578898.31 3751672.84 0.247 6/20/07 10:23 AM 32 88-16-32 15 17 0 80 Frag 4 11 Actual MD 578834.85 3751673.46 578834.93 3751672.39 -0.082 6/21/07 1:35 PM 33 88-16-33 105 105 -45 340 Seeds 10 45 Actual Seed Item 578886.70 3751674.65 578886.64 3751674.64 0.065 6/21/07 1:09 PM 35 88-16-35 7 9 0 2600 Frag 2 8 Actual MD 578885.65 3751675.89 578856.75 3751676.39 578856.75 3751676.39 10.106 6/21/07 1:03 PM 36 88-16-36 18 8 0 0 Frag 2 4 Approximate MD 578837.06 3751676.66 578831.23 3751674.30 0.056 6/21/07 1:32 PM 38 88-16-36 18 8 0 0 0 Frag 2 4 Approximate MD 578856.58 3751676.66 578838.12 3751674.30 0.12 6/21/07 1:32 PM 38 88-16-38 59 50 90 0 Seeds 11 45 Approximate MD 578856.72 3751676.66 578838.12 3751675.31 0.107 6/21/07 1:32 PM 38 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578856.27 3751676.66 578838.12 3751675.33 0.106 6/21/07 1:33 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578856.72 3751676.66 578838.12 3751675.30 0.107 6/21/07 1:38 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578857.27 3751678.30 578857.34 3751678.33 0.067 6/21/07 1:38 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578859.39 3751678.30 578857.34 3751678.33 0.067 6/21/07 1:38 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578859.99 3751681.42 57889.01 3751678.33 0.067 6/21/07 1:38 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578859.39 3751678.30 578857.34 3751678.33 0.067 6/21/07 1:38 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578859.39 3751678.30 578857.34 3751678.33 0.067 6/21/07 1:38 PM 39 88-16-39 14 3 -45 260 Frag 4 9 Actual MD 578859.30 3751678.30 578857.34 3751678.33 0.067 6/21/07 1:38 PM 39 88-16-39 3751684.42 57889.01 3751684.6							0		Frag			Actual	MD						-0.226
6/21/07 1:22 PM 29 88-16-29 75 105 0 0 Soils 4 0 Actual Soils 578862.20 3751669.92 578862.14 3751670.13 0.057 6/20/07 10:24 AM 30 88-16-30 23 16 0 0 Frag 3 9 Actual MD 578831.72 3751672.36 578831.82 3751672.44 -0.104 6/20/07 10:23 AM 31 88-16-31 15 10 0 40 Frag 6 10 Actual MD 578831.72 3751672.70 578898.31 3751672.84 0.247 6/20/07 10:23 AM 32 88-16-32 15 17 0 80 Frag 4 11 Actual MD 578834.85 3751672.70 578898.31 3751673.89 -0.082 6/21/07 1:35 PM 33 88-16-33 105 105 -45 340 Seeds 10 45 Actual Seed Item 578886.70 3751674.46 578834.93 3751674.64 0.085 6/20/07 10:29 AM 34 88-16-34 29 23 -90 160 Scrap Metal 3 8 Actual Cultural 578819.30 3751674.47 578819.30 3751674.52 -0.001 6/21/07 1:09 PM 35 88-16-35 7 9 0 260 Frag 2 8 Actual MD 578856.58 3751675.89 578856.75 3751675.93 -0.166 6/21/07 11:18 AM 37 88-16-36 18 8 0 0 Frag 2 4 Approximate MD 578870.65 3751676.54 578870.53 3751676.43 0.12 6/21/07 1:32 PM 38 88-16-38 59 50 90 0 Seeds 11 45 Approximate Seed Item 578878.16 3751677.46 578878.05 3751676.33 -0.004 6/21/07 1:09 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578857.27 3751678.30 578857.34 3751678.33 -0.067 6/21/07 1:09 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578857.27 3751678.30 578857.34 3751678.33 -0.067 6/21/07 1:09 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578889.99 3751681.42 578890.10 3751678.33 -0.067 6/21/07 1:07 PM 41 88-16-41 14 10 0 160 Frag 4 9 Actual MD 578889.99 3751681.42 578890.10 3751683.37 10.004 6/21/07 10:17 AM 41 88-16-41 14 10 0 160 Frag 4 11 Actual MD 578889.99 3751681.42 578890.10 3751683.77 0.024 6/21/07 10:32 AM 42 88-16-42 9 11 0 150 Frag 2 9 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031	6/20/07 9:53 AM	27	88-16-27		20	5		270	Seeds		45	Actual		578823.32	3751669.60	578823.28	3751669.57	0.042	0.031
6/20/07 10:24 AM 30 88-16-30 23 16 0 0 Frag 3 9 Actual MD 578831.72 3751672.36 578831.82 3751672.44 -0.104 6/20/07 11:43 AM 31 88-16-31 15 10 0 40 Frag 6 10 Actual MD 578898.56 3751672.70 578898.31 3751672.84 0.247 6/20/07 10:23 AM 32 88-16-32 15 17 0 80 Frag 4 11 Actual MD 578898.56 3751673.46 578834.93 3751673.39 -0.085 6/21/07 1:35 PM 33 88-16-33 105 105 105 -45 340 Seeds 10 45 Actual Seed Item 578886.70 3751674.65 578836.64 3751674.64 0.065 6/20/07 10:29 AM 34 88-16-34 29 23 -90 160 Scrap Metal 3 8 Actual Cultural 578819.30 3751674.47 578819.30 3751674.55 578886.64 3751674.55 578886.64 3751674.55 578886.64 3751674.55 578886.64 3751674.55 578886.64 3751674.55 578886.64 3751674.55 578886.64 3751674.55 578886.64 3751674.55 578886.64 3751674.55 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578886.64 3751674.65 578876.55 3751675.93 -0.166 6/21/07 11:17 PM 36 88-16-36 18 8 0 0 0 Frag 2 4 Approximate MD 578870.65 3751676.65 578870.53 3751676.41 0.014 6/21/07 11:32 PM 38 88-16-38 59 50 90 0 Seeds 11 45 Approximate Seed Item 578878.16 3751677.46 578878.05 3751677.27 0.0107 6/21/07 1:08 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578897.27 3751678.30 578857.34 3751678.33 -0.067 6/21/07 1:08 PM 39 88-16-40 35 34 -45 170 Frag 4 9 Actual MD 578897.93 3751681.42 578890.10 3751681.48 -0.112 6/21/07 10:17 AM 41 88-16-41 14 10 0 160 Frag 4 11 Actual MD 578899.93 3751684.42 578890.10 3751681.89 578851.15 3751682.09 0.017 6/21/07 10:32 AM 42 88-16-43 9 511 0 150 Frag 2 9 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031 6/21/07 8:48 AM 43 88-16-43 26 22 0 290 Frag 5 16 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031			88-16-28				-60	190		2	7	Actual	MD				3751669.79	-0.084	-0.129
6/20/07 10:23 AM 31 88-16-31 15 10 0 40 Frag 6 10 Actual MD 578898.56 3751672.70 578898.31 3751672.84 0.247 6/20/07 10:23 AM 32 88-16-32 15 17 0 80 Frag 4 11 Actual MD 578834.85 3751673.46 578834.93 3751673.39 -0.082 6/21/07 1:35 PM 33 88-16-33 105 105 105 -45 340 Seeds 10 45 Actual Seed Item 57886.70 3751674.65 578886.64 3751674.64 0.065 6/20/07 10:29 AM 34 88-16-34 29 23 -90 160 Scrap Metal 3 8 Actual Cultural 578819.30 3751674.47 578819.30 3751674.52 -0.001 6/21/07 1:09 PM 35 88-16-35 7 9 0 260 Frag 2 8 Actual MD 578856.58 3751675.93 3751676.54 578856.55 3751676.54 578870.65 3751676.54 578870.65 3751676.54 578870.65 3751676.54 578870.65 3751676.64 578870.65 3751676.64 578870.65 3751676.64 578870.65 3751676.64 578870.65 3751676.64 578870.65 3751676.64 578870.65 3751676.64 578870.65 3751676.64 578870.65 3751676.64 578870.65 3751676.64 578870.65 3751676.64 578870.65 3751676.64 578870.65 3751676.64 578870.65 3751676.64 578870.65 3751676.64 578878.16 3751676.64 578878.16 3751676.71 -0.004 6/21/07 1:32 PM 38 88-16-38 59 50 90 0 Seeds 11 45 Approximate Seed Item 578878.16 3751677.46 578878.05 3751677.27 0.107 6/21/07 1:08 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578850.73 3751678.30 578857.34 3751678.33 -0.067 6/21/07 10:17 AM 41 88-16-41 14 10 0 160 Frag 4 9 Actual MD 57889.99 3751681.42 578890.10 3751681.48 -0.112 6/21/07 10:17 AM 41 88-16-41 14 10 0 160 Frag 4 11 Actual MD 578899.30 3751684.42 578890.10 3751681.79 0.017 6/21/07 10:32 AM 42 88-16-42 9 11 0 150 Frag 2 9 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031 6/21/07 8:48 AM 43 88-16-43 26 22 0 290 Frag 5 16 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031	6/21/07 1:22 PM	29	88-16-29		75	105	0	0	Soils	4	0	Actual	Soils	578862.20	3751669.92	578862.14	3751670.13	0.057	-0.211
6/20/07 10:23 AM 32 88-16-32 15 17 0 80 Frag 4 11 Actual MD 578834.85 3751673.46 578834.93 3751673.39 -0.082 6/21/07 1:35 PM 33 88-16-33 105 105 -45 340 Seeds 10 45 Actual Seed Item 578886.70 3751674.65 578886.64 3751674.64 0.065 6/20/07 10:29 AM 34 88-16-34 29 23 -90 160 Scrap Metal 3 8 Actual Cultural 578819.30 3751674.47 578819.30 3751674.52 -0.001 6/21/07 1:09 PM 35 88-16-35 7 9 0 260 Frag 2 8 Actual MD 578856.58 3751675.89 578856.75 3751675.93 -0.166 6/21/07 1:17 PM 36 88-16-36 18 8 0 0 Frag 2 4 Approximate MD 578870.65 3751676.54 578870.53 3751676.43 0.12 6/20/07 11:18 AM 37 88-16-37 14 10 0 160 Frag 7 17 Actual MD 578838.12 3751676.66 578838.12 3751676.71 -0.004 6/21/07 1:32 PM 38 88-16-38 59 50 90 0 Seeds 11 45 Approximate Seed Item 578878.16 578876.65 3751678.05 3751676.71 -0.004 6/21/07 1:08 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578857.27 3751678.30 578857.34 3751678.33 -0.067 6/21/07 8:38 AM 40 88-16-40 35 34 -45 170 Frag 4 9 Actual MD 578851.17 3751681.89 578851.15 3751682.09 0.017 6/20/07 10:32 AM 42 88-16-42 9 11 0 150 Frag 2 9 Actual MD 578899.30 3751683.78 578822.28 3751683.77 0.024 6/21/07 8:38 AM 43 88-16-43 26 22 0 290 Frag 5 16 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031	6/20/07 10:24 AM	30	88-16-30		23	16	0	0	Frag	3	9	Actual	MD	578831.72	3751672.36	578831.82	3751672.44	-0.104	-0.077
6/21/07 1:35 PM 33 88-16-33 105 105 -45 340 Seeds 10 45 Actual Seed Item 57886.70 3751674.65 578886.64 3751674.64 0.065 6/20/07 10:29 AM 34 88-16-34 29 23 -90 160 Scrap Metal 3 8 Actual Cultural 578819.30 3751674.47 578819.30 3751674.52 -0.001 6/21/07 1:09 PM 35 88-16-35 7 9 0 260 Frag 2 8 Actual MD 578856.58 3751675.89 578856.75 3751675.93 -0.166 6/21/07 1:17 PM 36 88-16-36 18 8 0 0 0 Frag 2 4 Approximate MD 578870.65 3751676.54 578870.53 3751676.43 0.12 6/20/07 11:18 AM 37 88-16-37 14 10 0 160 Frag 7 17 Actual MD 578838.12 3751676.66 578838.12 3751676.71 -0.004 6/21/07 1:32 PM 38 88-16-38 59 50 90 0 Seeds 11 45 Approximate Seed Item 578878.16 375167.46 578876.55 3751677.27 0.107 6/21/07 8:38 AM 40 88-16-40 35 34 -45 170 Frag 4 9 Actual MD 578859.99 3751681.42 578890.15 3751681.89 578851.15 3751683.77 0.024 6/21/07 10:32 AM 42 88-16-42 9 11 0 150 Frag 2 9 Actual MD 578899.30 3751683.78 578892.28 3751683.77 0.024 6/21/07 8:38 AM 43 88-16-43 26 22 0 290 Frag 5 16 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031	6/20/07 11:43 AM	31	88-16-31		15	10	0	40	Frag	6	10	Actual		578898.56	3751672.70	578898.31	3751672.84	0.247	-0.136
6/20/07 10:29 AM         34         88-16-34         29         23         -90         160         Scrap Metal         3         8         Actual         Cultural         578819.30         3751674.47         578819.30         3751674.52         -0.001           6/21/07 1:09 PM         35         88-16-35         7         9         0         260         Frag         2         8         Actual         MD         578856.58         3751675.89         578856.75         3751675.93         -0.166           6/21/07 1:17 PM         36         88-16-36         18         8         0         0         Frag         2         4         Approximate         MD         578870.65         3751676.54         578870.53         3751676.43         0.12           6/20/07 11:18 AM         37         88-16-37         14         10         0         160         Frag         7         17         Actual         MD         578838.12         3751676.61         578878.05         3751676.71         -0.004           6/21/07 1:32 PM         38         88-16-38         59         50         90         0         Seeds         11         45         Approximate         Seel tem         578878.16         3751677.27         0.107	6/20/07 10:23 AM	32	88-16-32			17			Frag			Actual	MD	578834.85	3751673.46	578834.93	3751673.39	-0.082	0.072
6/21/07 1:09 PM 35 88-16-35 7 9 0 260 Frag 2 8 Actual MD 578856.58 3751675.89 578856.75 3751675.93 -0.166 6/21/07 1:17 PM 36 88-16-36 18 8 0 0 Frag 2 4 Approximate MD 578870.65 3751676.54 578870.53 3751676.43 0.12 6/20/07 11:18 AM 37 88-16-37 14 10 0 160 Frag 7 17 Actual MD 578838.12 3751676.66 578838.12 3751676.71 -0.004 6/21/07 1:32 PM 38 88-16-38 59 50 90 0 Seeds 11 45 Approximate Seed Item 578878.16 3751677.46 578878.05 3751677.27 0.107 6/21/07 1:38 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578857.27 3751678.33 5751678.33 -0.067 6/21/07 1:38 AM 40 88-16-40 35 34 4-5 170 Frag 4 9 Actual MD 578889.99 3751681.42 578890.10 3751681.48 -0.112 6/21/07 10:17 AM 41 88-16-41 14 10 0 160 Frag 4 11 Actual MD 578852.23 3751681.89 578851.15 3751682.09 0.017 6/20/07 10:32 AM 42 88-16-42 9 11 0 150 Frag 2 9 Actual MD 578899.30 3751683.78 578822.28 3751683.77 0.024 6/21/07 8:48 AM 43 88-16-43 26 22 0 290 Frag 5 16 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031	6/21/07 1:35 PM	33	88-16-33		105	105	-45	340	Seeds	10	45	Actual	Seed Item	578886.70	3751674.65	578886.64	3751674.64	0.065	0.011
6/21/07 1:17 PM 36 88-16-36 18 8 0 0 Frag 2 4 Approximate MD 578870.65 3751676.54 578870.53 3751676.43 0.12 6/20/07 11:18 AM 37 88-16-37 14 10 0 160 Frag 7 17 Actual MD 578838.12 3751676.66 578838.12 3751676.71 -0.004 6/21/07 1:32 PM 38 88-16-38 59 50 90 0 Seeds 11 45 Approximate Seed Item 578878.16 3751677.46 578878.05 3751677.27 0.107 6/21/07 1:08 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578857.27 3751678.30 578857.34 3751678.33 -0.067 6/21/07 10:17 AM 41 88-16-40 35 34 -45 170 Frag 4 9 Actual MD 578857.27 3751681.89 578851.15 3751681.89 5785851.15 3751681.89 5785851.15 3751681.89 578582.28 3751683.77 0.024 6/21/07 10:32 AM 42 88-16-42 9 11 0 150 Frag 2 9 Actual MD 578899.30 3751683.78 578822.28 3751683.77 0.024 6/21/07 8:48 AM 43 88-16-43 26 22 0 290 Frag 5 16 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031	6/20/07 10:29 AM	34	88-16-34		29	23	-90	160	Scrap Metal	3	8	Actual	Cultural	578819.30	3751674.47	578819.30	3751674.52	-0.001	-0.047
6/20/07 11:18 AM 37 88-16-37 14 10 0 160 Frag 7 17 Actual MD 578838.12 3751676.66 578838.12 3751676.71 -0.004 6/21/07 1:32 PM 38 88-16-38 59 50 90 0 Seeds 11 45 Approximate Seed Item 578878.16 3751677.46 578878.05 3751677.27 0.107 6/21/07 1:08 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578857.27 3751678.30 578857.34 3751678.33 -0.067 6/21/07 8:38 AM 40 88-16-40 35 34 -45 170 Frag 4 9 Actual MD 578889.99 3751681.42 578890.10 3751681.48 -0.112 6/21/07 10:17 AM 41 88-16-41 14 10 0 160 Frag 4 11 Actual MD 578851.17 3751681.89 57851.15 3751682.09 0.017 6/20/07 10:32 AM 42 88-16-42 9 11 0 150 Frag 2 9 Actual MD 578892.30 3751683.78 578822.28 3751683.77 0.024 6/21/07 8:48 AM 43 88-16-43 26 22 0 290 Frag 5 16 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031	6/21/07 1:09 PM	35	88-16-35		7	9	0	260	Frag	2	8	Actual	MD	578856.58	3751675.89	578856.75	3751675.93	-0.166	-0.038
6/21/07 1:32 PM 38 88-16-38 59 50 90 0 Seeds 11 45 Approximate Seed Item 578878.16 3751677.46 578878.05 3751677.27 0.107 6/21/07 1:08 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578857.27 3751678.30 578857.34 3751678.33 -0.067 6/21/07 8:38 AM 40 88-16-40 35 34 -45 170 Frag 4 9 Actual MD 578889.99 3751681.42 578890.10 3751681.48 -0.112 6/21/07 10:17 AM 41 88-16-41 14 10 0 160 Frag 4 11 Actual MD 578851.17 3751681.89 578851.15 3751682.09 0.017 6/20/07 10:32 AM 42 88-16-42 9 11 0 150 Frag 2 9 Actual MD 57882.30 3751683.78 578822.28 3751683.77 0.024 6/21/07 8:48 AM 43 88-16-43 26 22 0 290 Frag 5 16 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031	6/21/07 1:17 PM	36	88-16-36		18	8	0	0	Frag	2	4	Approximate	MD	578870.65	3751676.54	578870.53	3751676.43	0.12	0.111
6/21/07 1:08 PM 39 88-16-39 14 3 -45 260 Frag 4 8 Actual MD 578857.27 3751678.30 578857.34 3751678.33 -0.067 6/21/07 8:38 AM 40 88-16-40 35 34 -45 170 Frag 4 9 Actual MD 578889.99 3751681.42 578890.10 3751681.48 -0.112 6/21/07 10:17 AM 41 88-16-41 14 10 0 160 Frag 4 11 Actual MD 578851.17 3751681.89 578851.15 3751682.09 0.017 6/20/07 10:32 AM 42 88-16-42 9 11 0 150 Frag 2 9 Actual MD 578822.30 3751683.78 578822.28 3751683.77 0.024 6/21/07 8:48 AM 43 88-16-43 26 22 0 290 Frag 5 16 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031	6/20/07 11:18 AM	37	88-16-37		14	10	0	160	Frag	7	17	Actual	MD	578838.12	3751676.66	578838.12	3751676.71	-0.004	-0.048
6/21/07 8:38 AM 40 88-16-40 35 34 -45 170 Frag 4 9 Actual MD 57889.99 3751681.42 578890.10 3751681.48 -0.112 6/21/07 10:17 AM 41 88-16-41 14 10 0 160 Frag 4 11 Actual MD 578851.17 3751681.89 578851.15 3751682.09 0.017 6/20/07 10:32 AM 42 88-16-42 9 11 0 150 Frag 2 9 Actual MD 578822.30 3751683.78 578822.28 3751683.77 0.024 6/21/07 8:48 AM 43 88-16-43 26 22 0 290 Frag 5 16 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031	6/21/07 1:32 PM	38	88-16-38		59	50	90	0	Seeds	11	45	Approximate	Seed Item	578878.16	3751677.46	578878.05	3751677.27	0.107	0.191
6/21/07 10:17 AM 41 88-16-41 14 10 0 160 Frag 4 11 Actual MD 578851.17 3751681.89 578851.15 3751682.09 0.017 6/20/07 10:32 AM 42 88-16-42 9 11 0 150 Frag 2 9 Actual MD 578822.30 3751683.78 578822.28 3751683.77 0.024 6/21/07 8:48 AM 43 88-16-43 26 22 0 290 Frag 5 16 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031	6/21/07 1:08 PM	39	88-16-39		14	3	-45	260	Frag	4	8	Actual	MD	578857.27	3751678.30	578857.34	3751678.33	-0.067	-0.025
6/21/07 10:17 AM 41 88-16-41 14 10 0 160 Frag 4 11 Actual MD 578851.17 3751681.89 578851.15 3751682.09 0.017 6/20/07 10:32 AM 42 88-16-42 9 11 0 150 Frag 2 9 Actual MD 578822.30 3751683.78 578822.28 3751683.77 0.024 6/21/07 8:48 AM 43 88-16-43 26 22 0 290 Frag 5 16 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031	6/21/07 8:38 AM	40	88-16-40		35	34	-45	170	Frag	4	9	Actual	MD	578889.99	3751681.42	578890.10	3751681.48	-0.112	-0.064
6/20/07 10:32 AM 42 88-16-42 9 11 0 150 Frag 2 9 Actual MD 578822.30 3751683.78 578822.28 3751683.77 0.024 6/21/07 8:48 AM 43 88-16-43 26 22 0 290 Frag 5 16 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031	6/21/07 10:17 AM	41	88-16-41		14	10	0	160	Frag	4	11	Actual	MD	578851.17	3751681.89	578851.15	3751682.09	0.017	-0.195
6/21/07 8:48 AM 43 88-16-43 26 22 0 290 Frag 5 16 Actual MD 578899.30 3751684.42 578899.33 3751684.67 -0.031	6/20/07 10:32 AM	42	88-16-42		9	11	0	150	Frag	2	9	Actual	MD				3751683.77	0.024	0.01
	6/21/07 8:48 AM	43	88-16-43		26	22	0	290	Frag	5	16	Actual	MD	578899.30			3751684.67	-0.031	-0.254
6/21/07 8:43 AM   44   88-16-44     14   6   0   300   Scrap Metal   3   12   Actual   Cultural   578889.89   3751684.55   578889.96   3751684.45   -0.069	6/21/07 8:43 AM	44	88-16-44		14	6	0	300	Scrap Metal	3	12	Actual	Cultural	578889.89	3751684.55	578889.96	3751684.45	-0.069	0.099
6/20/07 2:37 PM 45 88-16-45 60 62 -45 270 Seeds 9 45 Actual Seed Item 578834.97 3751684.66 578835.08 3751684.72 -0.111						62	-45					Actual							-0.055

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

										•			UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
			Mag-N-	Predicted					Predicted		Actual/							
TimeStamp	Alias	Anomaly ID	ID	Depth	Depth		Azimuth	Identification	Length	Length	Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	Δ Northing
6/21/07 8:33 AM	46	88-16-46		11	6	0	0	Frag	3	13	Actual	MD	578879.90	3751684.70	578879.92	3751684.74	-0.022	-0.041
6/21/07 10:22 AM	47	88-16-47		34	26	-45	310	Nose Frag	3	7	Actual	MD	578862.84	3751684.96	578862.94	3751684.94	-0.104	0.017
6/21/07 8:45 AM	48	88-16-48		22	25	-45	70	Frag	3	9	Actual	MD	578892.28	3751685.30	578892.30	3751685.43	-0.02	-0.134
6/21/07 8:57 AM	49	88-16-49		19	10	-60	320	Frag	3	16	Actual	MD	578888.59	3751686.18	578888.57	3751686.25	0.018	-0.072
6/20/07 10:34 AM	50	88-16-50		24	24	0	110	Frag	3	8	Actual	MD	578816.23	3751686.41	578816.25	3751686.43	-0.018	-0.015
6/21/07 10:20 AM	51	88-16-51		23	28	-90	0	Baseplate	3	11	Actual	MD	578852.03	3751687.33	578851.86	3751687.40	0.171	-0.069
6/21/07 9:57 AM	52	88-16-52		15	4	-90	80	Frag	3	10	Actual	MD	578867.69	3751688.28	578867.65	3751688.21	0.038	0.07
6/20/07 10:35 AM	53	88-16-53		13	14	-90	260	Scrap Metal	2	12	Actual	Cultural	578830.86	3751688.77	578830.85	3751688.87	0.011	-0.098
6/21/07 8:52 AM	54	88-16-54		0	5	0	180	Frag	1	9	Actual	MD	578899.01	3751690.26	578898.89	3751690.16	0.116	0.105
6/21/07 8:51 AM	55	88-16-55		10	6	-90	90	Scrap Metal	3	8	Actual	Cultural	578893.65	3751690.12	578893.73	3751690.23	-0.078	-0.114
6/21/07 10:03 AM	56	88-16-56		52	42	-45	260	Frag	4	11	Actual	MD	578866.14	3751691.26	578866.18	3751691.39	-0.044	-0.133
6/20/07 2:40 PM	57	88-16-57		79	120	-45	180	Seeds	9	45	Approximate	Seed Item	578820.34	3751692.14	578820.47	3751692.37	-0.133	-0.226
6/20/07 11:15 AM	58	88-16-58		17	11	0	0	Frag	2	13	Actual	MD	578838.49	3751692.10	578838.48	3751692.14	0.009	-0.039
6/21/07 10:05 AM	59	88-16-59		11	8	-90	50	Baseplate	5	11	Actual	MD	578858.49	3751692.05	578858.37	3751692.01	0.117	0.043
6/21/07 10:13 AM	60	88-16-60		22	7	0	0	Scrap Metal	2	12	Actual	Cultural	578844.02	3751693.20	578843.83	3751693.17	0.189	0.029
6/21/07 1:00 PM	61	88-16-61		44	74	0	0	Soils	3	0	Actual	Soils	578876.15	3751693.79	578876.02	3751693.85	0.128	-0.061
6/21/07 9:14 AM	62	88-16-62		53	83	0	0	Soils	6	0	Actual	Soils	578878.54	3751694.92	578878.13	3751694.44	0.407	0.484
6/20/07 10:39 AM	63	88-16-63		10	14	-45	170	Frag	2	12	Actual	MD	578817.45	3751695.81	578817.41	3751695.89	0.037	-0.084
6/20/07 10:42 AM	64	88-16-64		19	15	-90	350	Scrap Metal	5	20	Actual	Cultural	578814.45	3751695.82	578814.45	3751695.79	-0.001	0.033
6/21/07 10:07 AM	65	88-16-65		12	2	0	0	Frag	2	3	Actual	MD	578856.46	3751695.78	578856.42	3751695.93	0.04	-0.145
6/21/07 10:08 AM	66	88-16-66		24	25	-90	180	Frag	3	9	Actual	MD	578853.89	3751696.97	578853.95	3751696.96	-0.06	0.012
6/20/07 11:13 AM	67	88-16-67		13	17	0	330	Scrap Metal	2	13	Actual	Cultural	578814.49	3751698.52	578814.55	3751698.51	-0.062	0.006
6/21/07 10:10 AM	68	88-16-68		13	11	0	60	Frag	3	9	Actual	MD	578847.56	3751698.39	578847.59	3751698.36	-0.029	0.034
6/21/07 9:59 AM	69	88-16-69		12	15	0	120	Frag	2	4	Actual	MD	578864.67	3751698.59	578864.66	3751698.50	0.007	0.089
6/21/07 9:50 AM	70	88-16-70		13	12	0	100	Frag	4	7	Actual	MD	578875.81	3751698.69	578875.83	3751698.65	-0.024	0.043
6/20/07 11:33 AM	71	88-16-71		23	9	0	310	Frag	1	12	Actual	MD	578871.37	3751642.32	578871.22	3751642.13	0.148	0.189
6/20/07 10:15 AM	72	88-16-72		-4	4	0	90	Scrap Metal	1	8	Actual	Cultural	578842.32	3751644.07	578842.01	3751644.01	0.314	0.065
6/21/07 1:12 PM	73	88-16-73		24	8	-90	280	Scrap Metal	2	5	Actual	Cultural	578870.95	3751663.56	578870.90	3751663.61	0.051	-0.048
6/20/07 10:28 AM	74	88-16-74		15	8	0	170	Frag	1	6	Actual	MD	578822.49	3751674.39	578822.75	3751674.49	-0.257	-0.104
6/21/07 10:15 AM	75	88-16-75		2	1	0	0	Rock	1	2	Actual	Rock	578848.42	3751689.52	578848.44	3751689.58	-0.015	-0.058
6/21/07 9:52 AM	76	88-16-76		35	18	-45	80	Frag	2	11	Actual	MD	578872.15	3751691.72	578872.10	3751691.80	0.054	-0.081
6/21/07 8:54 AM	77	88-16-77		16	30	-30	300	Frag	1	10	Actual	MD	578895.69	3751698.38	578895.59	3751698.41	0.1	-0.028
6/20/07 2:11 PM	78	88-16-78		98	128	0	0	Soils	5	0	Actual	Soils	578844.70	3751635.70	578844.17	3751636.07	0.526	-0.37
6/21/07 11:36 AM	79	88-16-79		8	38	0	0	Soils	2	0	Actual	Soils	578819.90	3751684.79	578819.88	3751684.95	0.02	-0.155
6/20/07 1:47 PM	80	88-16-80		43	73	0	0	Soils	4	0	Actual	Soils	578854.91	3751645.74	578854.79	3751645.37	0.125	0.37
6/20/07 11:16 AM	81	88-16-81		33	10	0	50	Frag	1	6	Actual	MD	578837.41	3751689.51	578837.58	3751689.33	-0.171	0.178
6/20/07 1:35 PM	82	88-16-82		223	253	0	0	Soils	9	0	Actual	Soils	578857.01	3751645.31	578857.39	3751645.17	-0.377	0.141
6/21/07 9:05 AM	83	88-16-83		92	9	0	0	Scrap Metal	10	4	Actual	Cultural	578877.34	3751690.91	578877.39	3751690.91	-0.045	-0.002
6/21/07 8:55 AM	84	88-16-84		63	5	0	120	Frag	5	5	Actual	MD	578894.48	3751692.60	578894.66	3751692.52	-0.183	0.078
6/21/07 9:00 AM	85	88-16-85		27	10	0	0	Scrap Metal	2	5	Actual	Cultural	578889.85	3751693.19	578889.61	3751693.13	0.243	0.057
6/21/07 10:28 AM	86	88-16-86		144	30	0	0	Frag	12	8	Approximate	MD	578845.96	3751694.21	578845.47	3751694.06	0.495	0.155
6/21/07 11:19 AM	87	88-17-87		47	77	0	0	Soils	2	0	Actual	Soils	578811.62	3751698.91	578811.87	3751699.38	-0.246	-0.468
6/20/07 10:13 AM	88	88-16-88	1	4	34	0	0	Soils	1	0	Actual	Soils	578847.09	3751635.57	578847.00	3751635.59	0.091	-0.018
6/20/07 2:31 PM	89	88-16-89		116	10	0	150	Frag	12	9	Actual	MD	578863.67	3751673.67	578863.80	3751674.03	-0.126	-0.361
6/20/07 10:26 AM	90	88-16-90		-12	12	0	180	Frag	0	7	Actual	MD	578826.56	3751675.22	578826.72	3751675.08	-0.157	0.143
5. = 5/ O . TO. 20 / UVI		20 .0 00						ug	·	· · · · · ·	, .0.00.		1.0020.00	2.0.0.0.EL		2.0.0.0.00		

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

													UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
TimeStamp	Alias	Anomaly ID	Mag-N Flag ID	Predicted Depth	Depth	Inclination	Azimuth	Identification	Predicted Length	Length	Actual/	Dia Typo	Facting	Northing	Footing	Northing	A Facting	A Northing
		,	טו		Deptil				Lengui		Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	ū
8/1/07 12:29 PM	91	88-16-91		12	1	0	110	Scrap Metal	1	4	Actual	Cultural	578857.42	3751637.67	578857.41	3751637.72	0.01	-0.05
6/20/07 11:20 AM	92	88-16-92		8	28	0	80	Frag	1	7	Actual	MD	578846.32	3751660.42	578846.36	3751660.34	-0.038	0.08
6/20/07 2:02 PM	93	88-16-93		143	173	0	0	Soils	7	0	Actual	Soils	578847.42	3751638.89	578846.92	3751639.08	0.501	-0.189
6/21/07 11:38 AM	94	88-16-94		46	9	0	0	Rock	2	3	Actual	Rock	578817.78	3751678.05	578817.72	3751678.43	0.056	-0.382
6/20/07 1:56 PM	95	88-16-95		31	61	0	0	Soils	3	0	Actual	Soils	578850.85	3751643.33	578850.51	3751643.27	0.342	0.058
6/21/07 1:06 PM	96	88-16-96		32	10	-90	40	Scrap Metal	0	6	Actual	Cultural	578860.85	3751680.92	578860.86	3751680.93	-0.005	-0.013
6/7/07 12:18 PM	97	88-17-97		10	3	-90	110	Frag	3	8	Actual	MD	578845.65	3751700.25	578845.50	3751700.40	0.149	-0.154
6/11/07 11:38 AM	98	88-17-98		18	12	0	260	Frag	2	6	Actual	MD	578883.79	3751700.21	578883.77	3751700.26	0.016	-0.051
6/7/07 11:56 AM	99	88-17-99		50	30	0	0	No Contact	3	0	Actual	No Contacts	578823.81	3751700.65	578823.52	3751700.55	0.293	0.102
6/11/07 11:31 AM	100	88-17-100		24	2	0	120	Scrap Metal	2	7	Actual	Cultural	578892.03	3751700.86	578892.21	3751700.93	-0.183	-0.072
6/7/07 2:48 PM	101	88-17-101		28	30	-90	30	Seeds	10	45	Actual	Seed Item	578840.12	3751701.33	578840.10	3751701.29	0.02	0.037
6/7/07 1:31 PM	102	88-17-102		8	9	0	270	Frag	4	18	Actual	MD	578869.28	3751701.43	578869.34	3751701.48	-0.063	-0.048
6/7/07 2:42 PM	103	88-17-103		46	30	90	0	Seeds	12	45	Actual	Seed Item	578831.89	3751701.61	578831.88	3751701.57	0.014	0.04
6/11/07 12:13 PM	104	88-17-104		12	5	0	0	Nose Frag	2	7	Actual	MD	578898.55	3751702.24	578898.55	3751702.21	-0.001	0.034
6/7/07 11:51 AM	105	88-17-105		20	18	0	320	Frag	4	9	Actual	MD	578817.62	3751702.12	578817.63	3751702.32	-0.012	-0.199
6/7/07 11:53 AM	106	88-17-106		10	2	0	320	Scrap Metal	2	13	Actual	Cultural	578821.64	3751702.88	578821.66	3751702.89	-0.015	-0.011
6/7/07 11:45 AM	107	88-17-107		18	14	0	0	Rock	2	4	Actual	Rock	578813.58	3751703.01	578813.27	3751703.14	0.311	-0.128
6/11/07 11:35 AM	108	88-17-108		39	32	0	320	Baseplate	6	11	Actual	MD	578889.42	3751703.78	578889.43	3751703.77	-0.012	0.015
6/7/07 2:49 PM	109	88-17-109		27	30	90	150	Seeds	11	45	Actual	Seed Item	578858.43	3751704.86	578858.54	3751704.91	-0.106	-0.048
6/11/07 11:49 AM	110	88-17-110		6	9	0	120	Frag	2	7	Actual	MD	578898.52	3751705.49	578898.58	3751705.51	-0.06	-0.018
6/14/07 9:49 AM	111	88-17-111		57	40	0	-90	Seeds	8	45	Actual	Seed Item	578892.81	3751705.87	578892.95	3751705.91	-0.143	-0.037
6/7/07 12:06 PM	112	88-17-112		19	20	0	185	Frag	3	9	Actual	MD	578830.17	3751705.98	578830.22	3751706.16	-0.054	-0.184
6/7/07 12:12 PM	113	88-17-113		28	14	-90	290	Frag	3	10	Actual	MD	578834.67	3751706.37	578834.64	3751706.29	0.035	0.084
6/7/07 11:41 AM	114	88-17-114		11	0	-90	0	Scrap Metal	7	10	Actual	Corner Stake	578807.07	3751707.01	578807.05	3751706.95	0.019	0.061
6/7/07 12:16 PM	115	88-17-115		8	0	0	0	Scrap Metal	3	30	Actual	Cultural	578835.69	3751709.44	578835.67	3751709.39	0.02	0.055
6/7/07 1:33 PM	116	88-17-116		48	23	0	0	Rock	3	4	Actual	Rock	578868.76	3751709.59	578868.79	3751709.63	-0.034	-0.043
6/11/07 11:44 AM	117	88-17-117		23	23	-90	250	Frag	4	9	Actual	MD	578880.82	3751709.86	578880.80	3751709.80	0.019	0.057
6/11/07 11:42 AM	118	88-17-118		15	7	0	0	Frag	2	5	Actual	MD	578886.84	3751709.52	578886.87	3751709.48	-0.034	0.044
6/7/07 2:51 PM	119	88-17-119		53	30	0	50	Seeds	8	45	Approximate	Seed Item	578875.28	3751709.80	578875.54	3751709.41	-0.256	0.39
6/7/07 12:00 PM	120	88-17-120		12	12	0	120	Frag	2	7	Actual	MD	578823.29	3751709.89	578823.29	3751709.85	0	0.04
6/7/07 2:44 PM	121	88-17-121		44	30	-10	40	Seeds	8	45	Actual	Seed Item	578831.94	3751710.63	578831.83	3751710.62	0.107	0.015
6/7/07 2:47 PM	122	88-17-122		55	40	10	320	Seeds	9	45	Actual	Seed Item	578843.57	3751711.49	578843.70	3751711.49	-0.133	-0.004
6/7/07 1:26 PM	123	88-17-123		8	3	0	0	Rock	1	2	Actual	Rock	578861.03	3751711.41	578861.07	3751711.51	-0.041	-0.103
6/7/07 3:11 PM	124	88-17-124		8	1	0	100	Scrap Metal	3	15	Actual	Cultural	578881.25	3751711.93	578881.31	3751711.88	-0.061	0.049
6/7/07 12:04 PM	125	88-17-125		2	1	0	310	Frag	1	5	Actual	MD	578831.16	3751714.42	578831.34	3751714.53	-0.178	-0.111
6/7/07 1:35 PM	126	88-17-126		29	9	0	220	Seeds	9	45	Actual	Seed Item	578865.47	3751714.67	578865.51	3751714.67	-0.039	0.004
6/7/07 12:21 PM	127	88-17-127		10	5	-45	280	Frag	2	8	Actual	MD	578850.34	3751714.91	578850.31	3751714.85	0.03	0.056
6/7/07 3:09 PM	128	88-17-128		1	5	0	310	Frag	1	8	Actual	MD	578884.03	3751714.97	578884.16	3751714.96	-0.13	0.011
6/7/07 1:41 PM	129	88-17-129		15	30	0	0	No Contact	2	0	Actual	No Contacts	578872.69	3751716.38	578872.70	3751716.32	-0.008	0.063
6/14/07 9:50 AM	130	88-17-130		23	24	220	-80	Seeds	13	45	Actual	Seed Item	578895.68	3751716.63	578895.74	3751716.61	-0.061	0.017
6/7/07 1:21 PM	131	88-17-131		10	11	0	250	Frag	2	8	Actual	MD	578854.22	3751717.28	578854.19	3751710.01	0.027	0.111
6/7/07 12:22 PM	132	88-17-132		14	13	0	160	Frag	2	9	Actual	MD	578848.97	3751717.26	578849.03	3751717.17	-0.06	0.065
6/7/07 2:58 PM	133	88-17-133	1	32	20	-45	320	Seeds	12	45	Actual	Seed Item	578880.32	3751719.00	578880.45	3751719.00	-0.131	0.102
6/7/07 1:38 PM	134	88-17-134		14	14	0	20	Frag	2	5	Actual	MD	578866.54	3751720.13	578866.54	3751720.03	0.004	-0.002
6/14/07 9:54 AM	135	88-17-135		61	50	0	90	Seeds	12	45	Actual	Seed Item	578888.55	3751721.04	578888.59	3751721.04	-0.04	0.161
U/ 14/U/ 3.34 AIVI	133	00-17-100	1	UI	50	U	90	occus	14	40	Autuai	Jeeu Ileiii	370000.00	3131123.23	370000.09	3131123.01	-0.04	0.101

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

													UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
TimeStamp	Alias	Anomaly ID	Mag-N Flag ID	Predicted Depth	Depth	Inclination	Azimuth	Identification	Predicted Length	Length	Actual/ Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	Δ Northing
		,	יוו			0				Ŭ		• 11						ŭ
6/7/07 1:24 PM	136	88-17-136		15	2	Ü	230	Frag	2	10	Actual	MD	578857.17	3751723.38	578856.95	3751723.55	0.219	-0.171
6/7/07 2:59 PM	137	88-17-137		-100	30	0	0	No Contact	-100	0	Actual	No Contacts	578887.00	3751728.50	578886.95	3751728.61	0.049	-0.109
6/7/07 3:01 PM	138	88-17-138		10	8	0	0	Frag	2	7	Actual	MD	578888.67	3751730.28	578888.65	3751730.29	0.02	-0.009
6/7/07 3:05 PM	139	88-17-139		12	6	0	180	Scrap Metal	4	50	Actual	Cultural	578893.71	3751730.94	578893.65	3751731.12	0.065	-0.176
6/7/07 11:43 AM	140	88-17-140		120	8	-90	0	Scrap Metal	15	23	Actual	Cultural	578809.54	3751700.01	578809.44	3751699.93	0.1	0.081
6/7/07 11:58 AM	141	88-17-141		2	0	0	0	No Contact	1	0	Actual	No Contacts	578826.58	3751702.28	578826.34	3751702.41	0.245	-0.13
6/7/07 1:28 PM	142	88-17-142		23	2	0	0	Rock	2	1	Actual	Rock	578858.27	3751701.89	578857.98	3751701.87	0.289	0.022
6/11/07 11:51 AM	143	88-17-143		9	8	-90	60	Frag	1	6	Actual	MD	578896.03	3751702.79	578896.06	3751703.15	-0.026	-0.355
6/7/07 12:26 PM	144	88-17-144		42	30	0	0	No Contact	3	0	Actual	No Contacts	578851.75	3751718.03	578851.66	3751718.04	0.092	-0.012
6/7/07 2:55 PM	145	88-17-145		-9	9	0	120	Frag	1	8	Actual	MD	578876.49	3751718.10	578876.62	3751718.43	-0.13	-0.332
6/7/07 1:37 PM	146	88-17-146		4	30	0	0	No Contact	3	0	Actual	No Contacts	578865.61	3751719.15	578865.57	3751718.99	0.04	0.156
6/7/07 3:07 PM	147	88-17-147		2	14	-45	120	Frag	0	8	Actual	MD	578887.73	3751719.47	578887.80	3751719.49	-0.072	-0.022
6/6/07 11:31 AM	148	89-16-148		9	2	0	110	Frag	1	8	Actual	MD	578901.74	3751653.17	578901.70	3751653.13	0.04	0.044
6/11/07 11:22 AM	148	89-16-148		9	2	0	0	Rock	1	2	Actual	Rock	578901.74	3751653.17	578901.85	3751653.13	-0.105	0.037
6/7/07 9:36 AM	149	89-16-149		70	65	10	100	Seeds	7	45	Actual	Seed Item	578944.35	3751656.19	578944.32	3751656.23	0.034	-0.04
6/6/07 11:03 AM	150	89-16-150		23	18	-90	250	Frag	3	8	Actual	MD	578966.23	3751655.84	578966.43	3751656.00	-0.198	-0.163
6/7/07 9:32 AM	151	89-16-151		70	80	-90	240	Seeds	10	45	Actual	Seed Item	578959.50	3751656.95	578959.54	3751657.07	-0.042	-0.115
6/7/07 9:47 AM	152	89-16-152		43	20	-45	20	Seeds	11	45	Actual	Seed Item	578918.60	3751657.65	578918.40	3751657.30	0.204	0.347
6/6/07 10:27 AM	153	89-16-153		18	6	0	0	Frag	3	3	Actual	MD	578976.98	3751659.19	578976.89	3751659.39	0.088	-0.203
6/6/07 11:16 AM	154	89-16-154		50	30	0	0	Soils	5	0	Actual	Soils	578930.72	3751659.54	Soils			
6/6/07 11:14 AM	155	89-16-155		9	3	-90	75	Frag	2	7	Actual	MD	578936.37	3751660.24	578936.34	3751660.26	0.026	-0.015
6/6/07 11:10 AM	156	89-16-156		11	6	0	190	Halfshell	9	34	Actual	MD	578947.94	3751662.69	578947.88	3751662.71	0.061	-0.019
6/6/07 11:08 AM	157	89-16-157		7	7	-25	60	Scrap Metal	3	12	Actual	Cultural	578964.09	3751662.90	578963.98	3751662.84	0.111	0.06
6/6/07 11:24 AM	158	89-16-158		16	10	-45	70	Frag	6	19	Actual	MD	578914.01	3751663.42	578913.98	3751663.42	0.029	-0.003
6/6/07 11:00 AM	159	89-16-159		38	12	0	120	Frag	3	6	Actual	MD	578972.40	3751665.47	578972.50	3751665.57	-0.097	-0.1
6/6/07 10:24 AM	160	89-16-160		14	4	0	120	Frag	3	10	Actual	MD	578986.34	3751665.47	578986.28	3751665.39	0.065	0.082
6/7/07 9:37 AM	161	89-16-161		60	47	45	110	Seeds	11	45	Actual	Seed Item	578939.43	3751665.95	578939.58	3751665.96	-0.15	-0.012
6/7/07 9:34 AM	162	89-16-162		34	20	0	120	Seeds	10	45	Actual	Seed Item	578955.89	3751667.60	578955.87	3751667.58	0.025	0.018
6/6/07 11:21 AM	163	89-16-163		50	30	0	0	Soils	3	0	Actual	Soils	578917.37	3751668.14	Soils			
6/6/07 1:47 PM	164	89-16-164		12	6	-45	110	Halfshell	11	32	Actual	MD	578971.66	3751669.46	578971.73	3751669.36	-0.071	0.105
6/6/07 1:45 PM	165	89-16-165		9	1	0	100	Frag	4	6	Actual	MD	578975.54	3751669.71	578975.57	3751669.73	-0.032	-0.016
6/6/07 1:52 PM	166	89-16-166		27	6	0	220	Frag	3	11	Actual	MD	578962.69	3751671.22	578962.71	3751671.05	-0.02	0.175
6/7/07 9:49 AM	167	89-16-167		48	47	80	90	Seeds	11	45	Actual	Seed Item	578918.97	3751671.24	578919.00	3751671.36	-0.03	-0.121
6/6/07 11:29 AM	168	89-16-168		15	4	0	180	Frag	2	4	Actual	MD	578912.74	3751671.69	578912.64	3751671.72	0.097	-0.025
6/6/07 1:42 PM	169	89-16-169		11	10	0	170	Frag	2	5	Actual	MD	578973.65	3751671.46	578973.57	3751671.74	0.081	-0.284
6/7/07 9:39 AM	170	89-16-170		66	100	-45	150	Seeds	5	45	Actual	Seed Item	578937.85	3751672.23	578937.93	3751672.35	-0.075	-0.121
6/6/07 1:40 PM	171	89-16-171		6	9	0	125	Frag	1	8	Actual	MD	578966.51	3751672.20	578966.44	3751672.12	0.069	0.081
6/7/07 9:40 AM	172	89-16-172		39	23	0	0	Nose Frag	6	7	Actual	MD	578945.01	3751673.15	578945.03	3751673.17	-0.015	-0.023
6/6/07 1:21 PM	173	89-16-173		29	19	0	60	Seeds	8	45	Actual	Seed Item	578949.40	3751675.64	578949.45	3751675.73	-0.052	-0.089
6/6/07 11:40 AM	174	89-16-174		10	5	0	100	Scrap Metal	2	4	Actual	Cultural	578914.28	3751677.18	578914.22	3751677.25	0.057	-0.07
6/6/07 1:34 PM	175	89-16-175		16	14	45	45	Nose Frag	3	7	Actual	MD	578960.76	3751677.64	578960.81	3751677.62	-0.05	0.02
6/6/07 11:38 AM	176	89-16-176		9	2	0	320	Frag	4	16	Actual	MD	578909.83	3751677.86	578909.85	3751677.95	-0.019	-0.091
6/6/07 1:37 PM	177	89-16-177		18	11	-45	260	Frag	3	16	Actual	MD	578968.40	3751678.08	578968.51	3751678.02	-0.106	0.059
6/6/07 1:27 PM	178	89-16-178		26	8	0	320	Frag	2	3	Actual	MD	578953.26	3751678.20	578953.39	3751678.33	-0.132	-0.126
6/6/07 11:34 AM	179	89-16-179		13	8	0	165	Frag	3	10	Actual	MD	578904.15	3751679.00	578904.12	3751678.94	0.033	0.063

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

6/19/07 3:14 PM 219 89-16-219 51 81 0 0 Soils 2 0 Actual Soils 578968.95 3751656.70 578968.96 3751656.93 -0.014 -0.227 6/13/07 9:06 AM 220 89-16-220 17 47 0 0 No Contact 2 0 Actual No Contacts 578978.52 3751665.63 578978.26 3751665.27 0.257 0.356 6/13/07 8:08 AM 221 89-16-221 145 175 0 0 No Contact 11 0 Actual No Contacts 578982.97 3751681.06 578983.64 3751680.81 -0.671 0.246 6/13/07 8:26 AM 222 89-16-222 114 144 0 0 No Contact 7 0 Actual No Contacts 578980.54 3751683.53 578980.99 3751683.45 -0.446 0.078 6/11/07 3:47 PM 223 89-16-223 81 121 0 No Contact 6 0 Approximate No Contacts 57898.83 3751667.93 No Contact 9 No Conta														UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
TimeStamp   Allas   Ancmary ID   Depth   Depth   Inclination   Azimush   Inclination   Length   Length   Length   April   Easting   Northing   Acasting   Apertuning   Easting   Northing   Acasting   Apertuning   Easting   Northing   Acasting   Apertuning   Easting   Northing   Acasting   Apertuning   Easting   Apertuning					(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
690071-25 PM   180	TimeStamn	Aliae	Anomaly ID	Flag		Denth	Inclination	Azimuth	Identification		Length		Dig Type	Easting	Northing	Easting	Northing	A Facting	A Northing
60007   1151 AM   181   89   161   90   6   45   220   Fing   7   17   Actual   MD   57894.71   3751679.05   57894.77   3751679.03   0.004   0.0071			-	טו														ŭ	
600071149 AM   182   6916-182   9   6   45   220   Fing   7   17   Arbust MO   5789938   3751679.25   57899.38   3751679.30   0.059   0.073							Ŭ												
80007   115 AM   183   89   14-18   18   19   14   14   14   15   17   14   14   14   15   17   14   14   14   15   17   14   14   14   15   17   17   18   18   18   19   14   14   14   18   18   19   14   14   14   14   14   14   14																			
86077 1124 AM 194 89-16-184 24 14 -45 210 Frag 6 24 Actual MD 57898.28 57898.88 5758780.0 0.007 -0.018 60071 1145 AM 195 89-16-185 6 0 -4-5 190 Baseplate 5 11 Actual MD 57898.22 375180.0 0.007 -0.018 60071 1145 AM 196 89-16-187 18 13 0 2 0 0 0 Frag 3 7 Actual MD 57898.22 375180.0 0.007 -0.015 60071 1145 AM 198 89-16-187 18 13 0 2 10 Frag 4 8 Actual MD 57898.02 375186.0 0.007 -0.015 60071 1145 AM 198 89-16-187 18 13 0 2 10 Frag 4 8 Actual MD 57898.0 375186.2 7 0.0076 60071 1145 AM 198 89-16-189 19 22 0 250 Scrap Metal 2 14 6 Actual Seed Hem 1982.3 375186.2 7 0.0076 0.0076 0.0076 60071 1145 AM 198 89-16-189 19 22 0 250 Scrap Metal 2 14 6 Actual Seed Hem 1982.3 375186.0 3 0.0076 0.0					-														
860971192 AM 185 89-16-185 6 0 -45 180 Basepolite 5 11 Actual MD 57890.22 3751800.25 575801.21 3751800.50 0.015 0.016 80007113 PM 186 89-16-186 31 20 0 1 0 Frag 3 7 Actual MD 57890.00 3751802.77 57580.00 0.017 -0.016 8000713 PM 187 89-16-187 18 13 0 210 Frag 4 8 Actual MD 57890.00 3751802.77 57580.00 0.017 -0.047 64007115.84 M1 88 89-16-188 19 22 0 250 Sauds 12 46 Actual Cultural 57892.43 31751805.86 0.022 -0.017 64007115.00 PM 199 89-16-180 mt4 34 10 -0.0 220 Sauds 12 46 Actual Swedtern 57890.52 3751805.61 578930.63 3751805.67 0.011 -0.003 6400712.00 PM 190 89-16-190 mt4 34 10 -0.0 220 Sauds 12 46 Actual MD 57893.61 379180.63 3751805.67 0.011 -0.003 6400712.00 PM 190 89-16-190 mt4 34 10 -0.0 220 Sauds 12 46 Actual MD 57893.62 3751805.67 578914.6 3751805.67 0.011 -0.003 6400712.00 PM 190 89-16-190 mt4 34 10 -0.0 325 Frag 4 7 Actual MD 57893.64 31 97880.97 3751805.00 0.003 6400712.00 PM 190 89-16-190 mt4 34 10 -0.0 325 Frag 4 7 Actual MD 57893.64 31 97880.97 3751805.00 0.003 6400712.00 PM 190 89-16-190 mt4 34 10 -0.0 325 Frag 5 M 190 89-16-190 mt4 34 10 -0.0 325 Frag 5 M 190 89-16-190 mt4 34 10 -0.0 325 Frag 5 M 190 89-16-190 mt4 34 10 -0.0 325 Frag 5 M 190 89-16-190 mt4 34 10 -0.0 325 Frag 5 M 190 89-16-190 mt4 34 10 -0.0 325 Frag 5 M 190 89-16-190 mt4 34 10 -0.0 325 Frag 5 M 190 89-16-190 mt4 34 10 -0.0 325 Frag 5 M 190 89-16-190 mt4 34 10 -0.0 320 Frag 5 M 190 89-16-190 mt4 34 10 -0.0 320 Frag 5 M 190 89-16-190 mt4 34 10 -0.0 320 Frag 5 M 190 89-16-190 mt4 34 10 -0.0 320 Frag 5 M 190 89-16-190 mt4 34 10 -0.0 320 Frag 5 M 190 89-16-190 mt4 34 10 -0.0 320 Frag 5 M 190 89-16-190 mt4 34 10 -0.0 320 Frag 5 M 190 89-16-190 M 190 89-16-190 mt4 4 5 M 190 M 1																			
SeROY 1146 AM   186   88 8-16-186   31   20   0   0   Frigg   3   7   Actual   MD   57898-05   73758																			
68007   131 PM   87   891-6187   18   13   0   210   Frigg   4   8   Actual   MD   578980.03   3751886.05   3751868.02   0.019   0.0407						_													
64097   1158 AM   888   88-16-188   mf   43   10   90   220   Secral Metal   2   45   Actual   Secret   578924-35   5751685-68   -70.02   -0.031																			
Self-OFF   198   89-16-199   mr2   13   10   -90   220   Seeds   12   45   Actual   Seed Item   57893.052   3751685.67   5751685.67   -0.0111   -0.063   66/07/1046 AM   191   89-16-191   mr31   59   30   90   300   soeds   13   45   Actual   Seed Item   578947.39   3751685.67   577685.77   577685.77   6																			
64071-1227 PM   190   69-16-190   mto   15																			
BSIGNT   1046 AM   191   89-16-191   mi31   58   30   90   380   seeds   13   45   Actual   Seed Item   57880-173   3751688.8   57897-78   3751688.40   0.096   0.198											_								
66077 20.9 FM   192   69-16-192   105   0   100   Seeds   45   Actual   Seed Item   57880.28   375168.89   57516											'								
6/14/07/12/56 M 193 88-16-193				mf31	58					13									
64071-12-10 PM																			
64/07   1:55 AM   195   89-16-195   16   12   90   320   Frag   2   5   Actual   MD   57892.99   3751688.87   375682.99   3751689.00   0.05   -0.128																			
6407 12-25 PM 196 89-16-197 44 45 170 -90 Seeds 12 45 Actual Seed Item 578943.83 3751688.80 578943.34 3751688.74 0.001 0.068 61407 92-578 41 197 89-16-197 44 45 170 -90 Seeds 12 45 Actual Seed Item 578943.83 3751688.80 578943.34 3751688.74 0.001 0.018 61407 92-94 M. 198 89-16-198 7 15 0 260 Frag 1 5 Actual MD 57893.82 3751690.83 5781690.83 5781690.83 5781690.83 5781690.83 5781690.80 0.0018 61407 12-24 M. 198 89-16-198 17 14 99 0 100 Frag 4 6 Actual MD 57893.00 3781691.24 57893.87 3751690.60 0.018 0.018 0.018 0.019 0.																			
6/14/07/19/57 AM																			
6/407 12:42 PM 199 89-16:198   77   15   0   260   Frag   1   5   Approximate   MD   57892.67 6   375169.03   57892.66 6   375169.07 8   0.101   0.046   0.407 12:42 PM   199   89-16:199   8125+22   17   14   90   100   Frag   4   6   Actual   MD   57893.80   3751691.24   57893.81   3751691.06   0.132   0.182   0.110   0.107																			
64407 12:24 PM 199 89-16-290 10 9 0 170 Scrap Metal 2 16 Actual MD 57893.00 3751691.24 57893.87 3751692.05 0.055 0							170			12		Actual							
6/13/07 10:16 AM 200 89-16-200							•			1		Approximate							
6/11/07/12/22 PM 201 89-16-201				nf25+26			90					Actual							
65/07 11:02 AM   202   88-16-202 mf3   51   30   90   360   Seeds   10   45   Actual   Seed Item   57892.5.55   3751693.00   578925.5.2   3751693.07   0.035   -0.069							•					Actual							
8407 12:15 PM 203 89-16-203 mf14 5 6 0 200 Frag 3 6 Actual MD 578932.82 3751693.40 578932.83 3751693.43 0.138 0.138 0.1107 12:26 PM 204 89-16-204 13 5 5 0 120 Frag 3 8 Actual MD 578947.56 3751693.42 578947.57 3751693.46 0.008 0.008 0.008 0.009 0.	6/11/07 12:22 PM	201	89-16-201		41			230	Frag	_		Actual	MD		3751692.92			0.065	-0.135
6/11/07 12:26 PM 204 89-16-205 mf32 12 2 45 40 Baseplate 7 12 Actual MD 578917.56 3751693.42 578917.57 3751693.46 -0.008 -0.042 (6/11/07 12:16 PM 206 89-16-205 mf32 12 2 45 40 Baseplate 7 12 Actual MD 578946.18 3751694.22 578946.19 3751694.24 0.001 -0.068 (6/5/07 10:23 AM 207 89-16-207 57 30 0 0 0 Solls 4 0 Actual Solls 578954.04 3751695.78	6/5/07 11:02 AM	202	89-16-202	mf3	51	30	-90	360	Seeds	10	45	Actual	Seed Item	578925.55	3751693.00	578925.52	3751693.07	0.035	-0.069
6/507 10:19 AM 205 89-16-205 mf32 12 2 45 40 Baseplate 7 12 Actual MD 578946.18 3751694.22 578946.19 3751694.22 -0.013 0.001 0/11/07 12:16 PM 206 89-16-206 17 14 0 150 Frag 2 2 Actual MD 578907.33 3751694.41 578907.32 3751694.48 0.01 -0.068 0/11/07 12:18 PM 208 89-16-207 57 30 0 0 0 Soils 4 0 Actual Soils S78954.04 3751695.78 -0.014 0/11/07 12:18 PM 208 89-16-208 14 7 0 0 50 Frag 2 2 Actual MD 578907.33 3751694.41 3751695.93 578911.11 3751695.94 -0.067 -0.014 0/11/07 12:18 PM 208 89-16-209 mf39 27 16 -90 310 Frag 5 9 Actual MD 578948.08 3751695.92 578948.08 3751695.95 -0.002 -0.031 0/11/07 12:30 PM 211 89-16-211 36 3 3 0 330 Frag 8 14 Actual MD 578984.08 3751695.92 578984.08 3751696.55 0.002 -0.031 0/11/07 12:30 PM 211 89-16-211 36 3 3 0 330 Frag 3 11 Actual MD 578908.09 3751696.60 578923.48 3751696.55 0.172 0.049 0/11/07 1:46 PM 212 89-16-212 16 9 -45 80 Frag 3 11 Actual MD 57899.00 3751696.55 57899.84 3751696.55 0.125 0.046 0/11/07 1:45 PM 213 89-16-213 19 12 0 70 Frag 3 11 Actual MD 57899.82 3751696.55 57899.83 3751696.50 0.125 0.046 0/11/07 1:45 PM 213 89-16-213 19 12 0 70 Frag 3 11 Actual MD 57899.82 3751696.55 57899.83 3751696.50 0.125 0.046 0/11/07 1:45 PM 213 89-16-214 22 16 -90 350 Frag 2 9 Actual MD 57899.82 3751696.55 57898.88 3751696.50 0.125 0.046 0/11/07 1:43 PM 214 89-16-214 22 16 -90 350 Frag 2 9 Actual MD 578995.32 3751698.89 578995.30 3751696.89 0.087 0.002 0.012 0/11/07 1:43 PM 215 89-16-215 16 10 0 110 Frag 3 14 Actual MD 578995.32 3751698.89 578957.30 3751698.89 0.022 0.012 0/11/07 10:56 PM 216 89-16-216 1-1 0 0 0 120 Scrap Metal 1 7 Actual MD 578995.32 3751698.89 578957.30 3751698.89 0.022 0.012 0/11/07 10:56 PM 216 89-16-216 1-1 0 0 0 0 120 Scrap Metal 1 7 Actual MD 578995.32 3751698.89 578957.30 3751698.89 0.022 0.012 0/11/07 10:56 PM 216 89-16-216 1-1 0 0 0 0 0 Corner Stake 3 20 Actual Cultural 57892.30 3751698.89 578957.30 3751698.89 0.021 0.012 0/11/07 10:56 PM 216 89-16-219 51 81 0 0 0 No Contact 2 0 Actual No Contacts 57898.52 3751666.35 578988.81 3751665.27 0.257 0.356 0/13/07 8:08	6/4/07 12:15 PM	203	89-16-203	mf14	5	6	0	200	Frag	3	6	Actual	MD	578932.82	3751693.40	578932.68	3751693.43	0.138	-0.034
6/11/07 12:16 PM 206 89-16-206	6/11/07 12:26 PM	204	89-16-204		13	5		120	Frag			Actual		578917.56	3751693.42	578917.57	3751693.46	-0.008	-0.042
6/5/07 10:23 AM 207 89-16-207 57 30 0 0 0 Soils 4 0 Actual Soils 578954.04 3751695.78	6/5/07 10:19 AM	205	89-16-205	mf32	12	2	45	40	Baseplate	7	12	Actual	MD	578946.18	3751694.22	578946.19	3751694.22	-0.013	0.001
6/11/07 12:18 PM 208 89-16-208	6/11/07 12:16 PM	206	89-16-206		17	14	0	150	Frag	2	2	Actual	MD	578907.33	3751694.41	578907.32	3751694.48	0.01	-0.068
6/5/07 10:13 AM 209 89-16-209 mf39 27 16 90 310 Frag 5 9 Actual MD 578948.08 3751695.92 578948.08 3751695.95 -0.002 -0.031 6/11/07 1:57 PM 210 89-16-210 10 2 -30 280 Frag 8 14 Actual MD 578999.46 3751696.29 578989.45 3751696.28 0.009 0.009 6/11/07 12:30 PM 211 89-16-211 36 3 0 330 Frag 3 7 Actual MD 578993.65 3751696.60 578923.48 3751696.55 0.172 0.049 6/11/07 1:46 PM 212 89-16-212 16 9 -45 80 Frag 3 11 Actual MD 578996.00 3751696.55 578988.88 3751696.55 0.125 0.046 6/11/07 1:59 PM 213 89-16-213 19 12 0 70 Frag 3 5 Actual MD 578991.51 3751696.79 578991.60 3751696.89 -0.087 -0.104 6/12/07 9:15 AM 214 89-16-214 22 16 90 350 Frag 2 9 Actual MD 578995.20 3751696.79 578991.60 3751696.89 -0.087 -0.104 6/12/07 9:15 AM 215 89-16-215 16 10 0 110 Frag 3 14 Actual MD 578995.32 3751698.89 578957.30 3751696.89 -0.087 -0.104 6/11/07 1:56 PM 216 89-16-216 -1 0 0 120 Scrap Metal 1 7 Actual MD 57895.21 3751698.89 578957.30 3751699.89 -0.022 0.012 6/11/07 10:56 AM 218 89-16-218 41 0 90 0 Corner Stake 3 20 Actual Cultural 578923.03 3751697.50 3751699.89 -0.025 -0.047 6/11/07 10:56 AM 218 89-16-219 51 81 0 0 0 Soils 2 0 Actual Soils 57898.99 3751656.70 57896.96 3751650.93 -0.014 -0.227 6/13/07 8:06 AM 220 89-16-220 17 47 0 0 0 No Contact 2 0 Actual No Contacts 57898.99 3751685.63 3751680.45 -0.446 0.078 6/13/07 8:06 AM 221 89-16-221 145 175 0 0 No Contact 1 0 Actual No Contacts 57898.93 3751683.53 578980.99 3751680.45 -0.446 6/13/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 7 0 Actual No Contacts 57898.83 3751667.93 No Contact -0.046 6/13/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 57898.83 3751667.93 No Contact		207	89-16-207		57	30	0	0	Soils	4	0	Actual	Soils	578954.04	3751695.78				
6/11/07 1:57 PM 210 89-16-210 10 2 -30 280 Frag 8 14 Actual MD 57898.46 3751696.29 57898.45 3751696.28 0.009 0.009 6/11/07 1:30 PM 211 89-16-211 36 3 0 330 Frag 3 7 Actual MD 578923.65 3751696.60 578923.48 3751696.55 0.172 0.049 6/11/07 1:40 PM 212 89-16-212 16 9 -45 80 Frag 3 11 Actual MD 578969.00 3751696.55 578982.48 3751696.50 0.125 0.125 0.046 6/11/07 1:59 PM 213 89-16-213 19 12 0 70 Frag 3 5 Actual MD 578991.3 3751696.59 578981.60 3751696.89 -0.087 0.046 6/12/07 9:15 AM 214 89-16-214 22 16 -90 350 Frag 2 9 Actual MD 57898.28 3751697.46 578998.30 3751698.89 0.022 0.125 6/11/07 1:43 PM 215 89-16-215 16 10 0 110 Frag 3 14 Actual MD 57898.28 3751698.69 578998.30 3751698.88 0.022 0.012 6/11/07 1:56 PM 216 89-16-215 16 10 0 110 Frag 3 14 Actual MD 57898.28 3751698.89 578957.30 3751698.88 0.022 0.012 6/11/07 10:52 AM 217 89-16-217 32 0 -90 0 Corner Stake 3 20 Actual Cultural 578982.81 3751699.52 578982.59 3751699.64 0.219 -0.116 6/11/07 10:56 AM 218 89-16-217 32 0 -90 0 Corner Stake 3 20 Actual Cultural 57891.48 3751694.84 578914.68 3751694.69 -0.025 0.045 6/19/07 3:14 PM 219 89-16-219 51 81 0 0 0 Soils 2 0 Actual Cultural S7898.52 3751665.07 578968.96 3751665.93 -0.014 -0.227 6/13/07 8:06 AM 220 89-16-220 117 47 0 0 0 No Contact 2 0 Actual No Contacts 578978.52 3751668.05 3751668.45 -0.671 0.246 6/13/07 8:06 AM 221 89-16-221 1145 175 0 0 No Contact 7 0 Actual No Contacts 57898.83 3751661.06 57898.89 3751668.45 -0.6416 0.078 6/13/07 8:26 AM 222 89-16-222 114 144 0 0 0 No Contact 7 0 Actual No Contacts 57898.83 3751669.99 3751683.45 50.446 0.078 6/13/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 57898.83 3751668.33 3751668.34 5-0.446 0.078 6/13/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 57898.83 3751669.99 3751683.45 50.446 0.078 6/13/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 57898.83 3751667.93 No Contact	6/11/07 12:18 PM	208	89-16-208		14	7	0	50	Frag	2	2	Actual	MD	578911.04	3751695.93	578911.11	3751695.94	-0.067	-0.014
6/11/07 12:30 PM 211 89-16-211 36 3 0 330 Frag 3 7 Actual MD 578923.65 3751696.60 578923.48 3751696.55 0.172 0.049 6/11/07 1:46 PM 212 89-16-212 16 9 -45 80 Frag 3 11 Actual MD 578969.00 3751696.55 578968.88 3751696.50 0.125 0.046 6/11/07 1:59 PM 213 89-16-213 19 12 0 70 Frag 3 5 Actual MD 578991.51 3751696.79 578991.60 3751696.89 -0.087 -0.104 6/12/07 9:15 AM 214 89-16-214 22 16 -90 350 Frag 2 9 Actual MD 578998.28 3751697.46 578998.30 3751698.89 -0.023 0.126 6/11/07 1:36 PM 215 89-16-215 16 10 0 110 Frag 3 14 Actual MD 578998.28 3751698.89 578957.30 3751698.88 0.022 0.0126 6/11/07 1:36 PM 216 89-16-216 -1 0 0 0 120 Scrap Metal 1 7 Actual Cultural 578982.81 3751699.52 578982.59 3751699.64 0.219 -0.116 6/11/07 10:52 AM 217 89-16-217 32 0 -90 0 Corner Stake 3 20 Actual Cultural 578982.81 3751694.64 578923.06 3751698.89 -0.025 -0.047 6/11/07 10:56 AM 218 89-16-218 41 0 -90 0 Corner Stake 3 20 Actual Cultural 578982.03 3751698.89 578957.90 3751656.93 -0.014 -0.227 6/13/07 9:06 AM 220 89-16-220 177 47 0 0 0 No Contact 2 0 Actual No Contacts 578986.95 3751680.60 578983.49 3751680.81 578983.45 -0.047 6/13/07 8:08 AM 221 89-16-221 145 175 0 0 No Contact 7 0 Actual No Contacts 578988.83 3751687.93 No Contact  -0.446 6/13/07 8:26 AM 222 89-16-222 114 144 0 0 No Contact 578988.84 3751683.53 578980.99 3751683.45 -0.446 0.078 6/11/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 578988.83 3751667.93 No Contact	6/5/07 10:13 AM	209	89-16-209	mf39	27	16	-90	310	Frag	5	9	Actual	MD	578948.08	3751695.92	578948.08	3751695.95	-0.002	-0.031
6/11/07 1:46 PM 212 89-16-212 16 9 -45 80 Frag 3 11 Actual MD 578969.00 3751696.55 578968.88 3751696.50 0.125 0.046 6/11/07 1:59 PM 213 89-16-213 19 12 0 70 Frag 3 5 Actual MD 578991.51 3751696.79 578991.60 3751696.89 -0.087 -0.104 6/12/07 9:15 AM 214 89-16-214 22 16 -90 350 Frag 2 9 Actual MD 578998.28 3751697.46 578998.30 3751697.33 -0.023 0.126 6/11/07 1:59 PM 216 89-16-215 16 10 0 110 Frag 3 14 Actual MD 578995.732 3751698.89 578957.30 3751698.89 6.022 0.012 6/11/07 1:56 PM 216 89-16-216 -1 0 0 0 120 Scrap Metal 1 7 Actual Cultural 578982.81 3751699.52 578982.59 3751698.89 0.022 0.012 6/11/07 10:52 AM 217 89-16-217 32 0 -90 0 Corner Stake 3 20 Actual Cultural 578982.30 3751693.84 578923.06 3751639.89 -0.025 -0.047 6/11/07 10:56 AM 218 89-16-218 41 0 -90 0 Corner Stake 3 20 Actual Cultural 578914.48 3751654.84 578914.68 3751654.69 -0.199 0.154 6/19/07 3:14 PM 219 89-16-219 51 81 0 0 0 Soils 2 0 Actual Cultural Soils 578968.95 3751656.70 578968.96 3751666.93 -0.014 -0.227 6/13/07 9:06 AM 220 89-16-220 17 47 0 0 0 No Contact 1 0 Actual No Contacts 578978.52 3751683.63 578980.99 3751668.37 578983.09 3751683.45 -0.446 6/13/07 8:26 AM 221 89-16-222 114 144 0 0 0 No Contact 7 0 Actual No Contacts 57898.83 3751667.93 No Contact 578983.69 3751683.45 -0.446 6/13/07 8:26 AM 222 89-16-222 114 144 0 0 0 No Contact 7 0 Actual No Contacts 57898.83 3751667.93 No Contact 578983.99 3751683.45 -0.446 6/13/07 8:26 AM 222 89-16-222 114 144 0 0 0 No Contact 7 0 Actual No Contacts 57898.83 3751669.93 No Contact 578983.99 3751683.45 -0.446 6/13/07 8:26 AM 222 89-16-222 114 144 0 0 0 No Contact 7 0 Actual No Contacts 57898.83 3751669.93 No Contact 578983.99 3751683.45 -0.446 6/13/07 8:26 AM 222 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 57898.83 3751667.93 No Contact 578983.99 3751683.45 -0.446 6/13/07 8:26 AM 222 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 57898.83 3751669.93 No Contact 57898.99 3751683.45 -0.446 6/13/07 8:26 AM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 57898.	6/11/07 1:57 PM	210	89-16-210		10	2	-30	280	Frag	8	14	Actual	MD	578989.46	3751696.29	578989.45	3751696.28	0.009	0.009
6/11/07 1:59 PM 213 89-16-213 19 12 0 70 Frag 3 5 Actual MD 578991.51 3751696.79 578991.60 3751696.89 -0.087 -0.104 6/12/07 9:15 AM 214 89-16-214 22 16 -90 350 Frag 2 9 Actual MD 578998.28 3751697.46 578998.30 3751697.33 -0.023 0.126 6/11/07 1:43 PM 215 89-16-215 16 10 0 110 Frag 3 14 Actual MD 578957.32 3751698.89 578957.30 3751698.88 0.022 0.012 6/11/07 1:56 PM 216 89-16-216 -1 0 0 0 120 Scrap Metal 1 7 Actual Cultural 57898.281 3751699.52 578982.59 3751699.64 0.219 -0.116 6/11/07 10:52 AM 217 89-16-217 32 0 -90 0 Corner Stake 3 20 Actual Cultural 57892.30 3751639.84 578923.06 3751639.89 -0.025 -0.047 6/19/07 3:14 PM 219 89-16-218 41 0 -90 0 Corner Stake 3 20 Actual Cultural 578914.48 3751654.44 578914.68 3751654.69 -0.199 0.154 6/19/07 3:14 PM 219 89-16-220 17 47 0 0 0 No Contact 2 0 Actual No Contacts 57898.95 3751665.63 578978.26 3751680.81 -0.671 0.246 6/13/07 8:08 AM 221 89-16-221 145 175 0 0 No Contact 1 0 Actual No Contacts 57898.97 3751681.55 57898.99 3751683.45 -0.446 0.078 6/11/07 3:47 PM 223 89-16-222 1114 144 0 0 No Contact 7 0 Actual No Contacts 57898.83 3751667.93 No Contact 0 .078 6/11/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 57898.83 3751667.93 No Contact 0 .078	6/11/07 12:30 PM	211	89-16-211		36	3	0	330	Frag	3	7	Actual	MD	578923.65	3751696.60	578923.48	3751696.55	0.172	0.049
6/12/07 9:15 AM 214 89-16-214 22 16 -90 350 Frag 2 9 Actual MD 578998.28 3751697.46 578998.30 3751697.33 -0.023 0.126 6/11/07 1:43 PM 215 89-16-215 16 10 0 110 Frag 3 14 Actual MD 578957.32 3751698.89 578957.30 3751698.88 0.022 0.012 6/11/07 1:56 PM 216 89-16-216 -1 0 0 0 120 Scrap Metal 1 7 Actual Cultural 578982.81 3751699.52 578982.59 3751699.64 0.219 -0.116 6/11/07 10:52 AM 217 89-16-217 32 0 -90 0 Corner Stake 3 20 Actual Cultural 57892.30 3751639.84 578923.06 3751639.89 -0.025 -0.047 6/11/07 10:56 AM 218 89-16-218 41 0 -90 0 Corner Stake 3 20 Actual Cultural 578914.48 3751654.84 578914.68 3751654.69 -0.199 0.154 6/19/07 3:14 PM 219 89-16-219 51 81 0 0 Soils 2 0 Actual Soils 578968.95 3751665.07 578968.96 3751656.70 578968.96 3751656.27 0.257 0.257 6/13/07 9:06 AM 220 89-16-220 17 47 0 0 0 No Contact 2 0 Actual No Contacts 578978.52 3751665.63 578978.26 3751680.81 -0.671 0.246 6/13/07 8:08 AM 221 89-16-221 145 175 0 0 No Contact 11 0 Actual No Contacts 578982.97 3751681.06 578983.64 3751683.45 -0.446 0.078 6/11/07 3:47 PM 223 89-16-222 1114 144 0 0 No Contact 7 0 Actual No Contacts 578980.54 3751665.35 578980.99 3751683.45 -0.446 0.078 6/11/07 3:47 PM 223 89-16-223 81 121 0 No Contact 6 0 Approximate No Contacts 578988.83 3751667.93 No Contact	6/11/07 1:46 PM	212	89-16-212		16	9	-45	80	Frag	3	11	Actual	MD	578969.00	3751696.55	578968.88	3751696.50	0.125	0.046
6/11/07 1:43 PM 215 89-16-215 16 10 0 110 Frag 3 14 Actual MD 578957.32 3751698.89 578957.30 3751698.88 0.022 0.012 6/11/07 1:56 PM 216 89-16-216 -1 0 0 0 120 Scrap Metal 1 7 Actual Cultural 578982.81 3751699.52 578982.59 3751699.64 0.219 -0.116 6/11/07 10:52 AM 217 89-16-217 32 0 -90 0 Corner Stake 3 20 Actual Cultural 578923.03 3751639.84 578923.06 3751639.89 -0.025 -0.047 6/11/07 10:56 AM 218 89-16-218 41 0 -90 0 Corner Stake 3 20 Actual Cultural 578914.48 3751654.84 578914.68 3751654.69 -0.199 0.154 6/19/07 3:14 PM 219 89-16-219 51 81 0 0 Soils 2 0 Actual Soils 578968.95 3751665.07 578968.96 3751656.93 -0.014 -0.227 6/13/07 8:08 AM 220 89-16-220 17 47 0 0 No Contact 2 0 Actual No Contacts 578978.52 3751665.05 378978.26 3751665.27 0.257 0.356 6/13/07 8:08 AM 221 89-16-221 145 175 0 0 No Contact 11 0 Actual No Contacts 578982.97 3751681.06 578983.64 3751683.45 -0.446 0.078 6/11/07 3:47 PM 223 89-16-222 114 144 0 0 0 No Contact 6 0 Approximate No Contacts 578988.83 3751667.93 No Contact -0.446 0.078 6/11/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 578988.83 3751667.93 No Contact	6/11/07 1:59 PM	213	89-16-213		19	12	0	70	Frag	3	5	Actual	MD	578991.51	3751696.79	578991.60	3751696.89	-0.087	-0.104
6/11/07 1:56 PM 216 89-16-216 -1 0 0 120 Scrap Metal 1 7 Actual Cultural 578982.81 3751699.52 578982.59 3751699.64 0.219 -0.116 6/11/07 10:52 AM 217 89-16-217 32 0 -90 0 Corner Stake 3 20 Actual Cultural 578923.03 3751639.84 578923.06 3751639.89 -0.025 -0.047 6/11/07 10:56 AM 218 89-16-218 41 0 -90 0 Corner Stake 3 20 Actual Cultural 578914.48 3751654.84 578914.68 3751654.69 -0.199 0.154 6/19/07 3:14 PM 219 89-16-219 51 81 0 0 Soils 2 0 Actual Soils 578968.95 3751656.07 578968.96 3751656.93 -0.014 -0.227 6/13/07 9:06 AM 220 89-16-220 17 47 0 0 No Contact 2 0 Actual No Contacts 578978.52 3751665.6 578978.26 3751665.27 0.257 0.356 6/13/07 8:08 AM 221 89-16-221 145 175 0 0 No Contact 11 0 Actual No Contacts 578982.97 3751681.06 578983.64 3751683.45 -0.446 0.078 6/13/07 8:26 AM 222 89-16-222 114 144 0 0 0 No Contact 7 0 Actual No Contacts 57898.83 3751667.93 No Contact -0.446 0.078 6/11/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 57898.83 3751667.93 No Contact -0.446 0.078	6/12/07 9:15 AM	214	89-16-214		22	16	-90	350	Frag	2	9	Actual	MD	578998.28	3751697.46	578998.30	3751697.33	-0.023	0.126
6/11/07 10:52 AM 217 89-16-217 32 0 -90 0 Corner Stake 3 20 Actual Cultural 578923.03 3751639.84 578923.06 3751639.89 -0.025 -0.047 6/11/07 10:56 AM 218 89-16-218 41 0 -90 0 Corner Stake 3 20 Actual Cultural 578914.48 3751654.84 578914.68 3751654.69 -0.199 0.154 6/19/07 3:14 PM 219 89-16-219 51 81 0 0 Soils 2 0 Actual Soils 578968.95 3751656.70 578968.96 3751656.93 -0.014 -0.227 6/13/07 8:08 AM 220 89-16-220 17 47 0 0 No Contact 2 0 Actual No Contacts 578978.52 3751665.63 578978.26 3751665.27 0.257 0.356 6/13/07 8:08 AM 221 89-16-221 145 175 0 0 No Contact 11 0 Actual No Contacts 578982.97 3751681.06 578983.64 3751680.81 -0.671 0.246 6/13/07 8:26 AM 222 89-16-222 114 144 0 0 0 No Contact 7 0 Actual No Contacts 57898.95 3751683.53 57898.99 3751683.45 -0.446 0.078 6/11/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 57898.83 3751667.93 No Contact	6/11/07 1:43 PM	215	89-16-215		16	10	0	110	Frag	3	14	Actual	MD	578957.32	3751698.89	578957.30	3751698.88	0.022	0.012
6/11/07 10:52 AM 217 89-16-217 32 0 -90 0 Corner Stake 3 20 Actual Cultural 578923.03 3751639.84 578923.06 3751639.89 -0.025 -0.047 6/11/07 10:56 AM 218 89-16-218 41 0 -90 0 Corner Stake 3 20 Actual Cultural 578914.48 3751654.84 578914.68 3751654.69 -0.199 0.154 6/19/07 3:14 PM 219 89-16-219 51 81 0 0 Soils 2 0 Actual Soils 578968.95 3751656.70 578968.96 3751656.93 -0.014 -0.227 6/13/07 8:08 AM 220 89-16-220 17 47 0 0 No Contact 2 0 Actual No Contacts 578978.52 3751665.63 578978.26 3751665.27 0.257 0.356 6/13/07 8:08 AM 221 89-16-221 145 175 0 0 No Contact 11 0 Actual No Contacts 578982.97 3751681.06 578983.64 3751680.81 -0.671 0.246 6/13/07 8:26 AM 222 89-16-222 114 144 0 0 0 No Contact 7 0 Actual No Contacts 57898.95 3751683.53 57898.99 3751683.45 -0.446 0.078 6/11/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 57898.83 3751667.93 No Contact	6/11/07 1:56 PM	216	89-16-216		-1	0	0	120	Scrap Metal	1	7	Actual	Cultural	578982.81	3751699.52	578982.59	3751699.64	0.219	-0.116
6/11/07 10:56 AM 218 89-16-218 41 0 -90 0 Corner Stake 3 20 Actual Cultural 578914.48 3751654.84 578914.68 3751654.69 -0.199 0.154 6/19/07 3:14 PM 219 89-16-219 51 81 0 0 Soils 2 0 Actual Soils 578968.95 3751656.70 578968.96 3751656.93 -0.014 -0.227 6/13/07 9:06 AM 220 89-16-220 17 47 0 0 No Contact 2 0 Actual No Contacts 578978.52 3751665.63 578978.26 3751665.27 0.257 0.356 6/13/07 8:08 AM 221 89-16-221 145 175 0 0 No Contact 11 0 Actual No Contacts 578982.97 3751681.06 578983.64 3751680.81 -0.671 0.246 6/13/07 8:26 AM 222 89-16-222 114 144 0 0 0 No Contact 7 0 Actual No Contacts 578980.54 3751683.53 578980.99 3751683.45 -0.446 0.078 6/11/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 57898.83 3751667.93 No Contact	6/11/07 10:52 AM	217	89-16-217		32	0	-90	0	Corner Stake	3	20	Actual	Cultural	578923.03	3751639.84	578923.06	3751639.89	-0.025	-0.047
6/19/07 3:14 PM 219 89-16-219 51 81 0 0 Soils 2 0 Actual Soils 578968.95 3751656.70 578968.96 3751656.93 -0.014 -0.227 6/13/07 9:06 AM 220 89-16-220 17 47 0 0 No Contact 2 0 Actual No Contacts 578978.52 3751665.63 578978.26 3751665.27 0.257 0.356 6/13/07 8:08 AM 221 89-16-221 145 175 0 0 No Contact 11 0 Actual No Contacts 578982.97 3751681.06 578983.64 3751680.81 -0.671 0.246 6/13/07 8:26 AM 222 89-16-222 114 144 0 0 No Contact 7 0 Actual No Contacts 578980.54 3751683.53 578980.99 3751683.45 -0.446 0.078 6/11/07 3:47 PM 223 89-16-223 81 121 0 No Contact 6 0 Approximate No Contacts 57898.83 3751667.93 No Contact 9 No Conta	6/11/07 10:56 AM	218			41	0	-90	0										-0.199	
6/13/07 9:06 AM 220 89-16-220 17 47 0 0 No Contact 2 0 Actual No Contacts 578978.52 3751665.63 578978.26 3751665.27 0.257 0.356 6/13/07 8:08 AM 221 89-16-221 145 175 0 0 No Contact 11 0 Actual No Contacts 578982.97 3751681.06 578983.64 3751680.81 -0.671 0.246 6/13/07 8:26 AM 222 89-16-222 114 144 0 0 No Contact 7 0 Actual No Contacts 578980.54 3751683.53 578980.99 3751683.45 -0.446 0.078 6/11/07 3:47 PM 223 89-16-223 81 121 0 No Contact 6 0 Approximate No Contacts 578988.83 3751667.93 No Contact 9 No Contac					51	81		0											
6/13/07 8:08 AM 221 89-16-221 145 175 0 0 No Contact 11 0 Actual No Contacts 578982.97 3751681.06 578983.64 3751680.81 -0.671 0.246 6/13/07 8:26 AM 222 89-16-222 114 144 0 0 No Contact 7 0 Actual No Contacts 578980.54 3751683.53 578980.99 3751683.45 -0.446 0.078 6/11/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 57898.83 3751667.93 No Contact 9 0.078							0	0			0								
6/13/07 8:26 AM 222 89-16-222 114 144 0 0 No Contact 7 0 Actual No Contacts 578980.54 3751683.53 578980.99 3751683.45 -0.446 0.078 6/11/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 57898.83 3751667.93 No Contact 9 0.078							0	0			0								
6/11/07 3:47 PM 223 89-16-223 81 121 0 0 No Contact 6 0 Approximate No Contacts 578988.83 3751667.93 No Contact							0	0			0								
											0						, , , , , , , ,	1	
	6/11/07 10:08 AM	224	89-16-224		94	27	0	150	Frag	8	12	Approximate	MD	578999.00	3751668.52	578998.97	3751668.43	0.033	0.095

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

										•			UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured	`	Í
			Mag-N- Flag	Predicted					Predicted		Actual/							
TimeStamp	Alias	Anomaly ID	ID	Depth	Depth	Inclination	Azimuth	Identification	Length	Length	Approx	Dig Type	Easting	Northing	Easting	Northing	∆ Easting	△ Northing
6/13/07 8:35 AM	225	89-16-225		170	200	0	0	No Contact	14	0	Actual	No Contacts	578964.64	3751686.07	578964.53	3751685.80	0.108	0.267
6/14/07 9:18 AM	226	89-16-226		111	141	0	0	No Contact	13	0	Actual	No Contacts	578994.44	3751687.21	578994.40	3751686.95	0.039	0.257
6/13/07 10:06 AM	227	89-16-227		39	20	0	120	Frag	3	8	Actual	MD	578959.59	3751687.19	578959.69	3751687.13	-0.103	0.057
6/12/07 3:48 PM	228	89-16-228		58	0	0	150	Scrap Metal	3	7	Actual	Cultural	578967.96	3751687.78	578968.13	3751687.60	-0.174	0.176
6/13/07 9:56 AM	229	89-16-229		7	6	-90	80	Frag	1	13	Actual	MD	578969.44	3751669.48	578969.55	3751669.44	-0.106	0.037
6/11/07 12:28 PM	230	89-16-230		1130	2	-90	60	Frag	12	8	Actual	MD	578922.00	3751694.22	578921.99	3751694.11	0.015	0.108
6/13/07 10:13 AM	231	89-16-231		38	10	-90	50	Frag	2	7	Actual	MD	578970.06	3751694.79	578970.11	3751694.36	-0.047	0.433
6/14/07 9:19 AM	232	89-16-232		161	191	0	0	No Contact	29	0	Actual	No Contacts	578987.87	3751694.72	578988.52	3751694.25	-0.647	0.47
6/13/07 2:48 PM	233	89-16-233		259	230	0	0	No Contact	10	0	Approximate	Rock	578984.70	3751697.26	578985.14	3751697.07	-0.444	0.193
6/5/07 9:40 AM	234	89-16-234	mf50	-0.01	5	15	255	Frag	0	6	Actual	MD	578953.78	3751699.86	578953.93	3751699.78	-0.149	0.078
6/11/07 10:17 AM	235	89-16-235		10	1	0	0	Rock	1	1	Actual	Rock	578952.56	3751672.76	578952.47	3751672.78	0.089	-0.015
6/13/07 10:35 AM	236	89-16-236		-7	6	0	120	Frag	2	10	Actual	MD	578968.87	3751666.24	578968.90	3751666.22	-0.025	0.02
6/11/07 3:34 PM	237	89-16-237		2590	250	0	0	No Contact	35	0	Actual	No Contacts	578987.62	3751674.32	No Contact			
6/14/07 8:28 AM	238	89-16-238		13	13	0	0	Soils	4	0	Actual	Soils	578998.20	3751674.64	578998.04	3751674.71	0.164	-0.067
6/11/07 11:15 AM	239	89-16-239		33	13	0	130	Frag	2	5	Actual	MD	578924.18	3751656.32	578924.48	3751656.51	-0.3	-0.192
6/19/07 2:43 PM	240	89-16-240		65	95	0	0	Soils	3	0	Actual	Soils	578902.43	3751657.52	578902.51	3751657.37	-0.075	0.15
6/19/07 2:42 PM	241	89-16-241		100	130	0	0	Soils	7	0	Actual	Soils	578904.51	3751658.91	578904.62	3751658.90	-0.105	0.008
6/19/07 2:41 PM	242	89-16-242		112	142	0	0	Soils	6	0	Actual	Soils	578908.78	3751659.92	578908.78	3751659.93	0.005	-0.005
6/13/07 9:04 AM	243	89-16-243		168	200	0	0	No Contact	11	0	Actual	No Contacts	578975.62	3751661.06	578975.03	3751661.55	0.589	-0.488
6/13/07 10:32 AM	244	89-16-244		13	7	0	80	Frag	3	3	Actual	MD	578980.14	3751661.65	578979.89	3751661.28	0.25	0.374
6/19/07 2:44 PM	245	89-16-245		40	70	0	0	Soils	3	0	Actual	Soils	578900.06	3751662.48	578900.18	3751662.41	-0.12	0.074
6/11/07 10:46 AM	246	89-16-246		50	18	0	250	Frag	3	10	Actual	MD	578928.76	3751663.45	578928.88	3751663.44	-0.122	0.011
6/19/07 3:21 PM	247	89-16-247		42	2	0	0	Rock	2	2	Actual	Rock	578925.77	3751676.89	578925.49	3751676.87	0.279	0.02
6/11/07 11:11 AM	248	89-16-248		-1	1	0	150	Frag	1	10	Actual	MD	578924.25	3751642.24	578924.21	3751642.28	0.045	-0.036
5/30/07 12:20 PM	249	89-17-249		26	25	0	0	Rock	3	4	Actual	Rock	578908.02	3751700.33	578907.93	3751700.27	0.094	0.065
6/7/07 7:01 AM	249	89-17-249		26	10	10	10	Rock	3	10	Approximate	Rock	578908.02	3751700.33	578907.93	3751700.27	0.094	0.065
6/5/07 10:57 AM	250	89-17-250	mf33	47	30	0	360	Seeds	9	45	Actual	Seed Item	578944.05	3751700.29	578944.12	3751700.37	-0.066	-0.084
6/5/07 2:46 PM	251	89-17-251		28	15	-90	60	Frag	5	7	Actual	MD	578989.20	3751700.33	578989.19	3751700.37	0.011	-0.042
6/6/07 9:56 AM	252	89-17-252		2	3	0	120	Frag	2	8	Actual	MD	578977.02	3751701.67	578977.11	3751701.72	-0.087	-0.054
6/11/07 1:53 PM	252	89-17-252		2	11	0	70	Frag	2	5	Approximate	MD	578977.02	3751701.67	578977.09	3751701.53	-0.071	0.139
6/4/07 9:16 AM	253	89-17-253	mf2	11	9	0	350	Frag	4	8	Actual	MD	578926.32	3751702.37	578926.31	3751702.39	0.006	-0.024
6/4/07 2:19 PM	254	89-17-254	mf21	12	8	0	40	Frag	2	7	Actual	MD	578938.12	3751702.17	578938.27	3751702.37	-0.149	-0.2
6/5/07 9:18 AM	255	89-17-255	mf49	44	40	-45	85	Baseplate	5	15	Actual	MD	578953.80	3751702.59	578953.80	3751702.54	0.003	0.047
6/5/07 2:42 PM	256	89-17-256	1111-10	11	13	-45	120	Frag	2	8	Actual	MD	578990.38	3751702.55	578990.30	3751702.54	0.081	0.015
6/6/07 10:08 AM	257	89-17-257		10	6	-90	25	Frag	5	9	Actual	MD	578962.94	3751702.73	578963.00	3751702.87	-0.058	-0.136
5/30/07 12:21 PM	258	89-17-258		13	5	0	0	Scrap Metal	1	3	Actual	Cultural Debris	578918.34	3751703.52	578918.30	3751703.43	0.043	0.087
6/5/07 8:54 AM	259	89-17-259	mf45	18	0	0	120	Scrap Metal	2	7	Actual	Cultural	578949.64	3751703.32	578950.01	3751703.43	-0.366	-0.025
6/5/07 2:37 PM	260	89-17-260	70	26	20	-90	130	Frag	3	8	Actual	MD	578992.69	3751704.21	578992.72	3751704.24	-0.027	0.023
6/4/07 9:09 AM	261	89-17-261	mf1	8	4	-90	250	Frag	3	7	Actual	MD	578926.95	3751704.17	578926.93	3751704.13	0.016	-0.04
6/5/07 8:44 AM	262	89-17-261	mf34	10	7	0	360	Frag	2	6	Actual	MD	578943.10	3751704.57	578943.12	3751704.81	-0.023	0.077
6/5/07 2:50 PM	263	89-17-263	111104	6	3	-90	230	i iay	2	8	Approximate	MD	578985.12	3751704.92	578985.02	3751704.84	0.104	-0.001
6/13/07 11:10 AM	264	89-16-264		11	4	-90	270	Frag	3	6	Actual	MD	578998.40	3751704.83	578998.40	3751704.85	-0.001	-0.001
6/6/07 10:02 AM	265	89-17-265		28	23	-90	120	Frag	3	14	Actual	MD	578967.57	3751704.83	578967.52	3751704.85	0.049	-0.021
6/7/07 10:04 AM	265	89-17-265		28	0	-90	0	No Contact	3	0	Actual	No Contacts	578967.57	3751705.84	No Contact	3731703.00	0.043	-0.022
6/6/07 9:53 AM	266	89-17-266		12	0	-45	185	Baseplate	5	11	Actual	MD	578979.59	3751705.87	578979.60	3751705.86	-0.014	0.015
OF OF OF THE OF	200	03-11-200		14	U	-40	100	Dasepiale			Actual	IVID	310313.38	3731703.07	510313.00	3731703.00	-0.014	0.013

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

													UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
TimeStamp	Alias	Anomaly ID	Mag-N- Flag ID	Predicted Depth	Depth	Inclination	Azimuth	Identification	Predicted Length	Length	Actual/ Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	Δ Northing
6/4/07 2:12 PM	267	89-17-267	mf10	11	7	90	170	Frag	4	9		MD	578933.58	3751706.22	578933.55	3751706.05	0.031	0.168
6/5/07 9:10 AM	268	89-17-268	min	1	0	0	220	Scrap Metal	1	7	Actual Actual	Cultural	578953.48	3751706.22	578953.55	3751706.05	-0.06	-0.096
6/6/07 10:00 AM	269	89-17-269		12	3	0	80	Nose Frag	3	7	Actual	MD	578971.30	3751706.09	578971.39	3751706.19	-0.092	0.115
6/6/07 9:58 AM	270	89-17-269		9	1	0	85	Frag	5	9	Actual	MD	578974.81	3751706.24	578971.39	3751706.13	0.032	-0.017
6/5/07 2:34 PM	271	89-17-270		14	15	-90	230	Scrap Metal	3	19	Actual	Cultural	578993.72	3751706.30	578993.82	3751706.32	-0.097	-0.017
5/30/07 12:23 PM	272	89-17-271		11	5	-90	270	Frag	2	2	Actual	MD	578911.77	3751707.07	578911.85	3751707.09	-0.097	0.022
6/5/07 9:00 AM	273	89-17-273		22	22	0	120	Frag	2	9	Actual	MD	578951.85	3751707.83	578952.01	3751707.73	-0.077	0.098
6/6/07 9:51 AM	274	89-17-274		19	16	0	300	Frag	3	5	Actual	MD	578980.40	3751708.05	578980.34	3751707.95	0.056	0.097
	275	89-17-274	mf8	55	42	-90	120	Halfshell	12	30		MD	578934.68				0.056	0.093
6/4/07 2:38 PM 6/6/07 9:49 AM	276	89-17-276	IIIIO	7	2	-90	285	Frag	2	7	Actual Actual	MD	578978.73	3751709.01 3751709.24	578934.56 578978.75	3751708.92 3751709.21	-0.019	0.087
6/6/07 9:49 AM 6/11/07 1:51 PM	276	89-17-276		7	4	0	285 0	Rock	2	2	Actual	Rock	578978.73	3751709.24	578978.75	3751709.21	-0.019	-0.135
6/6/07 9:45 AM	277	89-17-276		14	13	0	290	Frag	3	8	Actual	MD	578976.04	3751709.24	578975.94	3751709.36	0.101	0.247
5/31/07 3:29 PM	278	89-17-277		11	6	0	90	Scrap Metal	2	7		Cultural Debris	578962.99	3751710.19	578962.95	3751709.94	0.101	0.247
6/5/07 2:31 PM	279	89-17-279		20	10	-45	170	Nose Frag	3	7	Acutal Actual	MD	578996.80	3751709.97	578996.78	3751709.95	0.041	0.021
5/30/07 4:45 PM	280	89-17-280		8	10	-45	180	Frag	2	7	Actual	MD	578932.42	3751710.02	578932.67	3751710.01	-0.254	-0.045
5/31/07 3:28 PM	281	89-17-281		7	7	0	100	Frag	2	8	Acutal	MD	578961.78	3751711.99	578961.81	3751711.38	-0.234	-0.043
5/30/07 4:46 PM	282	89-17-281		18	4	0	180	Frag	3	4	Actual	MD	578928.16	3751711.99	578928.08	3751712.02	0.078	0.02
6/6/07 9:36 AM	283	89-17-283		39	22	-45	130	Seeds	11	45	Actual	Seed Item	578969.73	3751712.71	578969.67	3751712.09	0.078	-0.073
5/30/07 12:25 PM	284	89-17-284			4	-45	180	Frag	2	45	Actual	MD	578908.46	3751712.72	578908.53	3751712.79	-0.072	0.019
5/30/07 12:23 PM	285	89-17-285		23	19	0	0	Soils	2	2	Actual	Rock	578921.47	3751713.00	578921.20	3751712.96	0.267	0.435
5/30/07 4:48 PM	286	89-17-286		33	20	0	0	Seeds	8	45	Actual	Seed Item	578942.62	3751713.57	578942.68	3751713.14	-0.059	0.433
5/30/07 4:49 PM	287	89-17-287		10	13	30	270	Scrap Metal	3	18	Actual	Cultural Debris	578937.38	3751713.04	578937.46	3751713.36	-0.039	0.038
5/30/07 4:50 PM	288	89-17-288		11	15	0	220	Frag	2	7	Actual	MD	578932.59	3751714.00	578932.52	3751713.90	0.075	-0.056
5/31/07 3:16 PM	289	89-17-289		56	30	-90	0	Seeds	12	45	Acutal	Seed Item	578912.24	3751714.44	578912.27	3751714.50	-0.028	0.038
5/31/07 3:16 PM	290	89-17-299		14	9	90	80	Frag	2	9	Acutal	MD	578953.17	3751716.01	578953.12	3751715.97	0.05	-0.016
6/5/07 2:29 PM	290	89-17-290		6	3	0	220	Frag	3	7	Actual	MD	578997.67	3751715.74	578997.67	3751715.76	-0.003	-0.010
6/6/07 9:26 AM	292	89-17-292		14	8	0	0	Frag	2	3	Actual	MD	578975.05	3751710.00	578975.10	3751710.02	-0.049	-0.019
6/5/07 2:52 PM	293	89-17-292		18	15	-90	110	Frag	3	7	Actual	MD	578990.55	3751717.17	578990.44	3751717.22	0.106	0.023
6/5/07 3:03 PM	294	89-17-294		19	5	0	0	Rock	3	1	Actual	Rock	578979.56	3751717.75	Soil	3/3//1/.1/	0.100	0.023
6/6/07 9:29 AM	295	89-17-295		18	15	0	300	Frag	2	6	Actual	MD	578971.90	3751717.73	578971.94	3751717.97	-0.036	0.031
5/30/07 3:38 PM	296	89-17-296		3	10	180	40	Frag	1	5	Actual	MD	578925.72	3751718.74	578925.78	3751717.97	-0.059	-0.038
5/30/07 3:39 PM	297	89-17-297		19	8	90	180	Frag	5	8	Actual	MD	578914.94	3751710.74	578914.56	3751710.78	0.38	0.002
5/30/07 3:40 PM	298	89-17-298		30	25	45	60	Tailboom	5	13	Actual	MD	578919.11	3751719.78	578919.12	3751719.79	-0.013	-0.012
6/5/07 2:58 PM	299	89-17-299		18	13	0	80	Nose Frag	3	7	Actual	MD	578987.25	3751719.71	578987.27	3751719.67	-0.015	0.042
6/5/07 2:55 PM	300	89-17-300		1	4	0	0	Rock	1	3	Actual	Rock	578991.73	3751719.77	Soil	3731713.07	0.013	0.042
6/5/07 2:25 PM	301	89-17-301		19	20	-90	180	Baseplate	5	11	Actual	MD	578998.80	3751719.83	578998.81	3751719.74	-0.005	0.088
6/5/07 3:02 PM	302	89-17-301		2	20	0	0	Rock	1	5	Actual	Rock	578981.93	3751719.03	Soil	5/5//15//4	0.000	0.000
5/30/07 3:43 PM	303	89-17-303		21	1	0	90	Frag	2	5	Actual	MD	578922.54	3751720.20	578922.23	3751720.93	0.315	-0.201
5/31/07 2:50 PM	304	89-17-304		48	30	90	0	Seeds	12	45	Acutal	Seed Item	578932.92	3751720.73	578932.93	3751720.93	-0.007	0.045
5/31/07 9:49 AM	305	89-17-305		48	42	-45	280	Baseplate	6	11	Acutal	MD	578943.48	3751721.79	578943.48	3751721.20	0.004	-0.001
5/30/07 12:27 PM	306	89-17-306		20	10	0	300	Frag	2	4	Actual	MD	578904.89	3751721.73	578904.78	3751721.79	0.004	-0.001
6/5/07 2:57 PM	307	89-17-300		12	9	-90	240	Halfshell	8	30	Actual	MD	578990.07	3751721.33	578989.97	3751721.02	0.113	0.033
6/5/07 3:06 PM	308	89-17-308		14	12	-45	300	Frag	3	7	Actual	MD	578976.35	3751722.04	578976.26	3751722.01	0.089	0.033
5/30/07 3:46 PM	309	89-17-309		41	41	0	0	Soils	4	0	Actual	Soils	578916.81	3751723.37	Soil	0.01720.04	0.000	0.001
5/30/07 12:28 PM	310	89-17-310		20	30	0	0	Frag	3	6	Actual	MD	578900.23	3751724.93	578900.16	3751725.12	0.067	0.375
3/30/01 12.20 FIVI	310	03-11-010		20	30	U	U	i iay		U	Actual	IVID	570300.23	0101120.48	37 0300.10	0/01/20.12	0.007	0.575

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

													UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
TimeStamp	Alias	Anomaly ID	Mag-N- Flag ID	Predicted Depth	Depth	Inclination	Azimuth	Identification	Predicted Length	Length	Actual/ Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	Δ Northing
5/30/07 3:47 PM	311	89-17-311		11	11	0	180		2	8		MD	578922.14		578922.17	3751725.79	-0.025	0.025
5/30/07 12:30 PM	312			5	5	Ŭ		Frag		8	Actual	MD	578922.14	3751725.81				
	313	89-17-312 89-17-313		_	19	30	270 110	Halfshell	2	10	Actual	MD		3751726.07	578907.48	3751726.06	-0.014	0.008
6/5/07 12:41 PM	314			20	26	0	90	Frag	4	45	Actual	1	578942.11	3751725.87	578942.09	3751725.86	0.016	0.014
6/5/07 11:10 AM		89-17-314		34				Seeds	9		Actual	Seed Item	578960.76	3751726.09	578960.66	3751726.09	0.105	0.003
6/6/07 9:19 AM	315	89-17-315		45	15	80	180	Seeds	8	45	Actual	Seed Item	578983.73	3751725.68	578983.81	3751725.67	-0.082	0.015
5/30/07 3:44 PM	316	89-17-316		9	3	15	270	Frag	3	10	Actual	MD	578914.76	3751727.51	578914.74	3751727.51	0.024	0.001
5/30/07 12:32 PM	317	89-17-317		16	9	0	0	Tailboom	5	11	Actual	MD	578906.36	3751728.36	578906.39	3751728.37	-0.025	-0.006
5/29/07 4:38 PM	318	89-17-318			1	180	n/a	Scrap Metal		10	Actual	Cultural	578919.12	3751728.55	578919.08	3751728.47	0.038	0.083
6/5/07 12:34 PM	319	89-17-319		20	14	0	90	Frag	2	2	Actual	MD	578936.29	3751728.27	578936.36	3751728.20	-0.073	0.073
5/30/07 12:33 PM	320	89-17-320		0	9	0	220	Halfshell	3	30	Actual	MD	578900.77	3751729.15	578900.82	3751729.13	-0.047	0.022
6/5/07 11:13 AM	321	89-17-321						0 "	2	45	Actual	0 "	578985.04	3751728.73	0 "			
6/5/07 12:26 PM	322	89-17-322		69	30	0	0	Soils	6	0	Actual	Soils	578933.40	3751729.18	Soil	0754700 50	2.22	0.00
8/1/07 12:58 PM	323	89-17-323		41	60	0	0	No Contact	12	0	Actual	No Contacts	578954.57	3751729.27	578954.54	3751729.53	0.68	-0.26
6/5/07 11:13 AM	323	89-17-321		15	22	-90	360	Seed Item	2	45	Actual	Seed Item	578954.57	3751729.27	No GPS	075470044	0.00	0.000
5/31/07 3:02 PM	324	89-17-324		69	75	45	70	Seeds	6	45	Acutal	Seed Item	578929.35	3751730.17	578929.38	3751730.14	-0.03	0.032
5/29/07 4:40 PM	325	89-17-325			30	180	260	Baseplate	_	13	Actual	MD	578914.51	3751730.42	578914.48	3751730.43	0.033	-0.014
5/31/07 10:36 AM	326	89-17-326		37	29	-90	360	Nose Frag	5	8	Acutal	MD	578923.21	3751730.92	578923.31	3751730.85	-0.101	0.072
6/6/07 9:11 AM	327	89-17-327		15	9	0	210	Frag	2	4	Actual	MD	578985.03	3751730.81	578985.11	3751730.85	-0.079	-0.041
5/29/07 4:41 PM	328	89-17-328			12	-45	320	Scrap Metal		13	Actual	Cultural	578910.95	3751731.68	578910.92	3751731.85	0.029	-0.172
5/31/07 10:06 AM	329	89-17-329		9	4	0	270	Frag	3	15	Acutal	MD	578937.39	3751732.42	578937.36	3751732.47	0.027	-0.05
6/6/07 9:15 AM	330	89-17-330		19	10	-90	190	Scrap Metal	4	13	Actual	Cultural	578982.56	3751733.61	578982.45	3751733.57	0.107	0.041
5/31/07 2:46 PM	331	89-17-331		52	40	-90	0	Seeds	13	45	Acutal	Seed Item	578944.99	3751734.15	578944.91	3751734.18	0.085	-0.025
5/31/07 10:08 AM	332	89-17-332		44	4	0	270	Frag	6	7	Acutal	MD	578938.41	3751734.91	578938.51	3751734.79	-0.104	0.124
6/5/07 2:20 PM	333	89-17-333		20	19	-45	260	Frag	5	18	Actual	MD	578996.41	3751735.06	578996.46	3751735.11	-0.045	-0.049
5/31/07 11:29 AM	334	89-17-334		14	1	0	230	Frag	4	14	Acutal	MD	578929.78	3751735.78	578929.79	3751735.78	-0.009	0.001
5/29/07 4:42 PM	335	89-17-335			13	180	290	Frag		5	Actual	MD	578912.30	3751735.75	578912.28	3751735.77	0.018	-0.022
6/5/07 12:47 PM	336	89-17-336		8	1	0	250	Frag	4	12	Actual	MD	578960.99	3751736.04	578960.86	3751736.10	0.129	-0.064
6/5/07 2:18 PM	337	89-17-337		17	10	0	120	Frag	2	5	Actual	MD	578998.72	3751737.35	578998.78	3751737.31	-0.058	0.04
5/31/07 11:25 AM	338	89-17-338		12	6	90	250	Frag	3	10	Acutal	MD	578932.95	3751737.77	578932.97	3751737.74	-0.016	0.029
5/29/07 4:43 PM	339	89-17-339			5	180	0	Baseplate		11	Actual	MD	578904.51	3751738.40	578904.47	3751738.36	0.041	0.036
5/31/07 11:11 AM	340	89-17-340		30	17	90	230	Frag	3	5	Acutal	MD	578920.35	3751738.67	578920.40	3751738.45	-0.052	0.224
6/5/07 2:14 PM	341	89-17-341		70	14	-90	110	Frag	15	14	Actual	MD	578995.97	3751739.27	578995.97	3751739.11	-0.002	0.163
5/31/07 3:08 PM	342	89-17-342		51	25	45	180	Seeds	12	45	Acutal	Seed Item	578925.00	3751741.31	578925.03	3751741.29	-0.031	0.023
5/31/07 12:00 PM	343	89-17-343		69	99	0	0	Soils	6	0	Acutal	Soils	578943.95	3751742.01	ut was just so	il, no object)		
6/11/07 1:34 PM	344	89-17-344		23	17	-90	50	Nose Frag	2	8	Actual	MD	578918.91	3751742.99	578918.92	3751742.98	-0.013	0.006
5/31/07 11:34 AM	345	89-17-345		18	14	0	0	Frag	3	15	Acutal	MD	578937.54	3751743.75	578937.57	3751743.70	-0.026	0.046
5/31/07 11:20 AM	346	89-17-346			4	-90	320	Nose Frag		6	Acutal	MD	578930.01	3751743.87	578929.92	3751743.96	0.092	-0.092
5/31/07 1:50 PM	347	89-17-347		5	8	0	120	Frag	2	7	Acutal	MD	578971.11	3751744.56	578971.07	3751744.53	0.038	0.033
6/5/07 2:00 PM	348	89-17-348		7	5	0	0	Rock	2	3	Actual	Rock	578976.23	3751745.94	Soil			
5/31/07 11:16 AM	349	89-17-349		16	6	-90	320	Nose Frag	3	8	Acutal	MD	578927.68	3751747.18	578927.68	3751747.20	0.001	-0.017
5/31/07 11:43 AM	350	89-17-350		34	9	90	0	Seeds	12	48	Acutal	Seed Item	578943.37	3751747.74	578943.33	3751747.79	0.042	-0.05
6/5/07 2:11 PM	351	89-17-351		15	8	-90	325	Frag	4	11	Actual	MD	578994.08	3751748.02	578994.12	3751748.04	-0.042	-0.024
5/31/07 11:38 AM	352	89-17-352		14	9	90	260	Frag	2	8	Acutal	MD	578938.06	3751748.42	578938.11	3751748.39	-0.05	0.028
5/31/07 12:27 PM	353	89-17-353		14	7	0	0	Frag	2	3	Acutal	MD	578960.52	3751748.54	578958.84	3751750.51	1.679	-1.969
5/31/07 12:17 PM	354	89-17-354		16	13	0	180	Scrap Metal	2	6	Acutal	Cultural Debris	578956.36	3751749.11	578956.36	3751748.85	0.005	0.264

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

													UTM 16 N	orth Meters	UTM 16 No	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
TimeStamp	Alias	Anomaly ID	Mag-N Flag ID	Predicted Depth	Depth	Inclination	Azimuth	Identification	Predicted Length	Length	Actual/ Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	Δ Northing
•			יוו	- 1		0			Lengui						Ū		ū	ū
6/5/07 2:03 PM	355	89-17-355		-0.01	5		0	Rock	1	4	Actual	Rock	578985.37	3751750.00	578985.37	3751749.96	0.001	0.044
5/31/07 1:47 PM	356	89-17-356		20	8	0	0	Soils	2	5	Acutal	Rock	578970.06	3751750.41	578970.12	3751750.50	-0.059	-0.094
5/31/07 12:26 PM	357	89-17-357		1	0	0	180	Frag	2	14	Acutal	MD	578958.72	3751750.56	578958.73	3751750.52	-0.01	0.044
5/31/07 1:22 PM	358	89-17-358		8	0	90	0	Scrap Metal	7	46	Acutal	Cultural Debris	578962.07	3751751.40	578962.05	3751751.43	0.021	-0.028
6/5/07 2:09 PM	359	89-17-359		15	8	0	0	Scrap Metal	3	8	Actual	Cultural	578991.06	3751752.21	578991.04	3751752.20	0.018	0.006
5/31/07 12:20 PM	360	89-17-360		40	30	0	270	Seeds	110	45	Acutal	Seed Item	578954.60	3751752.52	578954.73	3751752.44	-0.132	0.082
6/5/07 2:07 PM	361	89-17-361		46	30	0	0	Soils	3	0	Actual	Soils	578986.48		Soil			
5/31/07 2:37 PM	362	89-17-362		76	106	0	0	No Contact	5	0	Acutal	Soils	578971.20	3751754.25	(No Contact)			
6/21/07 2:32 PM	363	89-17-363		33	40	-90	0	Nose Frag	3	7	Actual	MD	578987.26	3751755.04	578987.35	3751755.12	-0.091	-0.083
5/31/07 1:26 PM	364	89-17-364		7	7	0	0	Frag	3	10	Acutal	MD	578963.90	3751756.14	578963.92	3751756.12	-0.02	0.024
5/31/07 2:13 PM	365	89-17-365		56	86	0	0	No Contact	3	0	Acutal	Soils	578971.82	3751757.04	(No Contact)			<b></b>
5/31/07 1:34 PM	366	89-17-366		21	22	0	0	Soils	2	3	Acutal	Rock	578972.93	3751758.90	578972.91	3751758.84	0.025	0.059
6/12/07 8:49 AM	367	89-17-367		11	3	45	170	Baseplate	5	11	Actual	MD	578977.13	3751759.89	578977.22	3751759.59	-0.09	0.3
6/12/07 8:46 AM	368	89-17-368		16	10	0	340	Scrap Metal	5	14	Actual	Cultural	578985.07	3751760.64	578985.07	3751760.30	0.004	0.342
6/12/07 8:54 AM	369	89-17-369		23	8	0	180	Frag	3	4	Actual	MD	578982.96	3751764.18	578983.13	3751763.94	-0.174	0.24
6/12/07 9:05 AM	370	89-17-370		10	1	0	300	Halfshell	10	28	Actual	MD	578995.22	3751766.86	578995.28	3751766.53	-0.064	0.327
6/12/07 9:11 AM	371	89-17-371		14	0	-90	0	Corner Stake	7	20	Actual	Cultural	578999.97	3751771.09	579000.00	3751770.82	-0.031	0.275
5/30/07 3:51 PM	372	89-17-372		13	7	30	0	Frag	2	14	Actual	MD	578920.24	3751723.50	578920.32	3751723.51	-0.082	-0.014
6/4/07 2:06 PM	373	89-17-373	mf7	36	8	0	240	Frag	0	5	Actual	MD	578931.14	3751702.17	578931.21	3751702.44	-0.07	-0.274
6/5/07 9:43 AM	374	89-17-374		24	5	0	290	Frag	1	7	Actual	MD	578951.03			3751702.33	-0.124	-0.13
5/30/07 4:55 PM	375	89-17-375		7	30	0	0	No Contact	1	0	Actual	Soils	578917.42	3751709.65	ut was just soi			
5/30/07 12:35 PM	376	89-17-376		64	6	0	90	Frag	3	3	Actual	MD	578909.99	3751709.82	578910.15	3751709.61	-0.156	0.212
5/30/07 3:53 PM	377	89-17-377		37	0.4	30	180	Frag	0	4	Actual	MD	578915.93	3751713.08	578916.08	3751713.07	-0.145	0.012
5/30/07 12:36 PM	378	89-17-378		11	12	0	0	Soils	3	5	Actual	Soils	578909.46	3751717.28	Soil			
5/31/07 1:59 PM	379	89-17-379		81	15	0	80	Frag	7	5	Acutal	MD	578954.29	3751719.95	578954.18	3751720.28	0.11	-0.331
5/31/07 1:55 PM	380	89-17-380		-3	1	0	60	Frag	1	9	Acutal	MD	578962.22	3751719.72	578962.25	3751719.65	-0.03	0.071
6/6/07 9:33 AM	381	89-17-381		64	30	0	0	Soils	3	0	Actual	Soils	578965.00	3751725.12	Soils			
5/30/07 12:37 PM	382	89-17-382		8	10	0	0	Scrap Metal	1	3	Actual	Cultural Debris	578912.26	3751725.11	578912.21	3751725.18	0.051	-0.074
6/12/07 9:13 AM	383	89-17-383		66	5	0	100	Frag	6	5	Actual	MD	578996.45	3751726.67	578996.67	3751726.19	-0.218	0.479
6/11/07 1:40 PM	384	89-17-384		24	14	0	0	Rock	1	4	Actual	Rock	578940.03	3751730.73	578939.95	3751730.83	0.077	-0.098
5/31/07 12:07 PM	385	89-17-385		6	10	0	140	Frag	0	4	Acutal	MD	578955.80	3751742.20	578955.80	3751742.20	-0.002	-0.004
6/12/07 8:44 AM	386	89-17-386		58	3	0	0	Frag	5	5	Actual	MD	578999.24	3751742.30	578999.16	3751742.40	0.078	-0.097
5/31/07 12:11 PM	387	89-17-387		52	1	0	210	Frag	3	4	Acutal	MD	578952.71	3751748.19	578952.60	3751747.80	0.113	0.393
6/12/07 9:02 AM	388	89-17-388		19	11	0	320	Scrap Metal	0	4	Actual	Cultural	578993.59	3751760.09	578993.90	3751759.76	-0.314	0.329
6/12/07 8:59 AM	389	89-17-389		71	1	0	0	Scrap Metal	4	7	Actual	Cultural	578989.94	3751762.70	578990.21	3751762.69	-0.272	0.006
6/13/07 10:21 AM	390	90-16-390		32	25	0	120	Halfshell	16	28	Actual	MD	579002.45	3751668.53	579002.43	3751668.33	0.025	0.199
6/14/07 9:16 AM	391	90-16-391		18	13	120	0	Nose Frag	2	7	Actual	MD	579001.52	3751674.80	579001.58	3751674.78	-0.06	0.019
6/12/07 3:40 PM	392	90-16-392		58	19	0	40	Seeds	8	45	Actual	Seed Item	579008.67	3751676.94	579008.45	3751676.63	0.219	0.312
6/12/07 2:22 PM	393	90-16-393		8	15	0	190	Frag	2	9	Actual	MD	579031.98	3751679.31	579032.18	3751678.97	-0.203	0.341
6/12/07 9:38 AM	394	90-16-394		13	5	0	60	Frag	3	6	Actual	MD	579021.65	3751681.44	579021.79	3751681.23	-0.139	0.209
6/12/07 9:41 AM	395	90-16-395		42	35	15	160	Intact Item	12	45	Actual	UXO	579029.34	3751681.51	579029.52	3751681.23	-0.18	0.28
6/12/07 9:36 AM	396	90-16-396		14	7	0	280	Frag	2	6	Actual	MD	579016.11	3751683.78	579016.10	3751683.56	0.01	0.224
6/12/07 2:17 PM	397	90-16-397		14	9	-45	60	Frag	3	10	Actual	MD	579026.94	3751684.16	579027.04	3751683.96	-0.1	0.201
6/12/07 1:53 PM	398	90-16-398		45	29	-90	300	Halfshell	11	29	Actual	MD	579027.63	3751688.03	579027.48	3751688.04	0.155	-0.008
6/12/07 8:27 AM	399	90-16-399		33	16	0	290	Frag	6	8	Actual	MD	579039.36	3751689.83	579039.59	3751689.51	-0.226	0.322

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

										•			UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
			Mag-N-	Predicted					Predicted		Actual/							
TimeStamp	Alias	Anomaly ID	ID	Depth	Depth		Azimuth	Identification	Length	Length	Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	Δ Northing
6/12/07 9:28 AM	400	90-16-400		3	2	45	110	Halfshell	5	28	Actual	MD	579012.07	3751690.29	579012.17	3751690.03	-0.098	0.262
6/12/07 8:36 AM	401	90-16-401		11	3	0	310	Halfshell	10	27	Actual	MD	579037.12	3751690.44	579037.19	3751690.08	-0.065	0.365
6/12/07 9:20 AM	402	90-16-402		40	30	0	0	Seeds	10	45	Actual	Seed Item	579003.16	3751694.16	579003.18	3751693.91	-0.016	0.255
6/12/07 9:23 AM	403	90-16-403		3	10	0	190	Frag	1	4	Actual	MD	579012.16	3751694.07	579012.28	3751693.83	-0.115	0.243
6/12/07 8:38 AM	404	90-16-404		39	30	45	140	Seeds	12	45	Actual	Seed Item	579030.87	3751694.13	579031.05	3751693.88	-0.176	0.25
6/12/07 9:25 AM	405	90-16-405		12	7	0	150	Frag	3	8	Actual	MD	579013.73	3751695.32	579013.61	3751695.08	0.121	0.244
6/12/07 8:26 AM	406	90-16-406		38	0	-90	0	Corner Stake	3	20	Actual	Cultural	579043.01	3751681.99	579043.07	3751681.80	-0.058	0.187
6/12/07 9:35 AM	407	90-16-407		45	11	0	80	Frag	2	7	Actual	MD	579008.77	3751685.38	579008.80	3751685.21	-0.028	0.173
6/12/07 2:12 PM	408	90-16-408		85	15	0	40	Frag	5	6	Approximate	MD	579025.28	3751685.83	579025.41	3751685.65	-0.131	0.179
6/12/07 9:30 AM	409	90-16-409		33	20	-45	100	Frag	1	7	Actual	MD	579012.01	3751687.85	579012.01	3751687.86	0.005	-0.012
6/12/07 2:36 PM	410	90-16-410		23	10	0	120	Frag	2	9	Actual	MD	579017.87	3751688.03	579017.93	3751687.88	-0.063	0.152
6/12/07 8:40 AM	411	90-16-411		21	9	0	0	Rock	2	4	Actual	Rock	579024.59	3751698.35	579024.94	3751698.42	-0.345	-0.066
6/12/07 2:28 PM	412	90-16-412		71	30	0	0	Soils	2	0	Approximate	Soils	579027.04	3751679.86	579027.24	3751679.66	-0.2	0.201
6/13/07 11:32 AM	413	90-17-413		75	105	0	0	Soils	7	0	Actual	Soils	579028.71	3751700.51	579028.12	3751700.29	0.586	0.217
6/13/07 10:40 AM	414	90-17-414		10	12	0	0	Frag	2	12	Actual	MD	579000.75	3751704.94	579000.74	3751705.10	0.007	-0.164
6/13/07 2:02 PM	415	90-17-415		49	55	80	20	Seeds	10	45	Actual	Seed Item	579021.98	3751707.81	579021.94	3751707.89	0.038	-0.079
6/13/07 2:25 PM	416	90-17-416		53	85	0	0	Soils	3	0	Actual	Soils	579010.32	3751708.39	579009.80	3751708.51	0.516	-0.12
6/13/07 11:59 AM	417	90-17-417		6	2	0	160	Frag	5	16	Actual	MD	579022.98	3751714.13	579022.98	3751714.12	0.005	0.007
6/13/07 12:01 PM	418	90-17-418		14	8	-45	90	Frag	4	15	Actual	MD	579013.91	3751714.33	579013.85	3751714.30	0.058	0.029
6/13/07 12:04 PM	419	90-17-419		26	18	-45	150	Halfshell	8	31	Actual	MD	579010.53	3751714.62	579010.60	3751714.59	-0.069	0.026
6/13/07 12:21 PM	420	90-17-420		57	42	-45	90	Seeds	9	45	Actual	Seed Item	579016.74	3751727.24	579016.85	3751727.24	-0.112	-0.004
6/13/07 12:17 PM	421	90-17-421		31	25	90	0	Seeds	12	45	Actual	Seed Item	579003.21	3751732.11	579003.21	3751732.02	0.002	0.093
6/13/07 12:13 PM	422	90-17-422		4	10	0	100	Frag	3	7	Actual	MD	579013.60	3751732.43	579014.16	3751732.49	-0.564	-0.057
6/13/07 12:25 PM	423	90-17-423		5	4	0	180	Frag	3	9	Actual	MD	579011.14	3751736.88	579011.22	3751736.84	-0.077	0.038
6/13/07 12:26 PM	424	90-17-424		13	5	0	0	Frag	2	12	Actual	MD	579009.71	3751740.14	579009.65	3751740.14	0.059	0.002
6/13/07 12:34 PM	425	90-17-425		6	0	0	70	Frag	1	7	Actual	MD	579004.37	3751741.55	579004.25	3751741.49	0.12	0.056
6/13/07 12:29 PM	426	90-17-426		14	12	0	120	Frag	2	4	Approximate	MD	579012.53	3751741.67	579012.50	3751741.67	0.03	-0.003
6/13/07 12:32 PM	427	90-17-427		6	5	0	260	Frag	1	8	Approximate	MD	579008.95	3751743.56	579009.07	3751743.63	-0.115	-0.071
6/13/07 12:36 PM	428	90-17-428		11	0	0	90	Scrap Metal	5	20	Actual	Cultural	579007.10	3751747.74	579007.12	3751747.42	-0.016	0.317
6/13/07 12:42 PM	429	90-17-429		24	15	-45	260	Nose Frag	3	9	Actual	MD	579007.91	3751754.11	579007.92	3751754.12	-0.005	-0.012
6/13/07 12:48 PM	430	90-17-430		109	90	80	140	Seeds	13	45	Actual	Seed Item	579003.02	3751754.65	579003.15	3751754.60	-0.127	0.051
6/13/07 12:45 PM	431	90-17-431		19	12	-45	150	Frag	2	10	Actual	MD	579002.04	3751766.00	579002.17	3751765.32	-0.133	0.679
6/13/07 11:28 AM	432	90-17-432		20	8	0	120	Scrap Metal	1	5	Actual	Cultural	579026.38	3751705.94	579026.57	3751705.79	-0.185	0.151
6/13/07 2:27 PM	433	90-17-433		85	115	0	0	Soils	6	0	Actual	Soils	579005.92	3751700.92	Soil			
6/13/07 2:14 PM	434	90-17-434		114	1	-90	330	Frag	7	7	Actual	MD	579010.62	3751700.42	579010.57	3751700.91	0.054	-0.491
6/13/07 11:13 AM	435	90-17-435		115	8	0	190	Frag	8	8	Actual	MD	579005.89	3751710.34	579006.34	3751710.35	-0.448	-0.01
6/13/07 11:20 AM	436	90-17-436		26	12	0	180	Frag	3	10	Actual	MD	579002.45	3751715.48	579002.42	3751715.40	0.034	0.079
6/13/07 2:08 PM	437	90-17-437		6	6	-45	40	Frag	4	6	Actual	MD	579019.49	3751723.45	579019.19	3751723.37	0.304	0.082
6/13/07 12:38 PM	438	90-17-438		-5	30	0	0	Soils	1	0	Approximate	Soils	579001.31	3751744.30	579001.49	3751744.13	-0.184	0.166
6/18/07 2:54 PM	439	90-15-439		36	29	-45	10	Baseplate	6	11	Actual	MD	579057.62	3751518.13	579057.54	3751518.06	0.082	0.067
6/18/07 3:14 PM	440	90-15-440		87	8	-90	40	Frag	7	1	Actual	MD	579067.65	3751519.54	579067.47	3751519.21	0.179	0.331
6/25/07 3:25 PM	441	90-15-441			8	0	0	Rock		2	Actual	Rock	579069.80	3751520.50	579069.68	3751520.62	0.123	-0.115
6/18/07 3:13 PM	442	90-15-442		63	93	0	0	Soils	5	0	Actual	Soils	579052.38	3751521.46	579052.05	3751521.39	0.335	0.071
6/19/07 8:07 AM	443	90-15-443		5	4	0	180	Frag	2	12	Actual	MD	579033.01	3751521.61	579033.07	3751521.59	-0.059	0.018
6/18/07 2:48 PM	444	90-15-444		101	90	-90	180	Seeds	12	45	Approximate	Seed Item	579056.94	3751522.45	579056.57	3751522.55	0.37	-0.102
				• • • • • • • • • • • • • • • • • • • •	·													

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

										•			UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
			Mag-N Flag	Predicted					Predicted		Actual/							
TimeStamp	Alias	Anomaly ID	ID	Depth	Depth		Azimuth	Identification	Length	Length	Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	ŭ
6/18/07 11:34 AM	445	90-15-445		8	2	0	0	Frag	2	6	Actual	MD	579038.15	3751522.96	579038.13	3751523.31	0.019	-0.349
6/19/07 9:24 AM	446	90-15-446		87	117	0	0	Soils	6	0	Actual	Soils	579035.57	3751525.86	579035.80	3751526.25	-0.233	-0.388
6/18/07 12:02 PM	447	90-15-447		34	21	45	30	Nose Frag	6	7	Actual	MD	579031.18	3751526.53	579031.14	3751526.61	0.042	-0.077
6/18/07 3:16 PM	448	90-15-448		7	9	0	180	Frag	3	12	Actual	MD	579050.50	3751529.73	579050.45	3751529.83	0.049	-0.102
6/18/07 11:59 AM	449	90-15-449		24	13	-45	60	Baseplate	5	11	Actual	MD	579034.04	3751529.81	579034.02	3751529.84	0.02	-0.032
6/18/07 1:52 PM	450	90-15-450		31	2	0	100	Frag	2	4	Actual	MD	579058.16	3751529.72	579058.19	3751529.61	-0.031	0.115
6/18/07 11:40 AM	451	90-15-451		60	10	0	0	Rock	4	2	Actual	Rock	579041.54	3751530.95	579041.41	3751531.04	0.129	-0.086
6/18/07 2:02 PM	452	90-15-452		62	92	0	0	Soils	5	0	Actual	Soils	579069.39	3751530.82	579068.98	3751530.82	0.41	0.005
6/18/07 11:35 AM	453	90-15-453		9	8	-90	180	Frag	2	6	Actual	MD	579038.75	3751530.95	579038.51	3751530.73	0.242	0.217
6/18/07 11:30 AM	454	90-15-454		5	0	-90	20	Baseplate	5	11	Actual	MD	579045.11	3751531.17	579045.13	3751531.23	-0.017	-0.061
6/18/07 11:39 AM	455	90-15-455		17	9	-45	340	Frag	3	11	Actual	MD	579036.56	3751531.77	579036.54	3751531.92	0.025	-0.152
6/18/07 11:57 AM	456	90-15-456		10	8	0	140	Frag	2	7	Actual	MD	579033.73	3751532.81	579033.89	3751532.72	-0.156	0.086
6/18/07 1:47 PM	457	90-15-457		26	20	-90	10	Frag	4	8	Actual	MD	579062.22	3751532.90	579062.16	3751532.94	0.063	-0.041
6/18/07 11:26 AM	458	90-15-458		13	5	0	0	Rock	2	2	Actual	Rock	579050.13	3751533.73	579049.99	3751533.81	0.14	-0.081
6/18/07 2:11 PM	459	90-15-459		54	41	0	120	Nose Frag	6	7	Actual	MD	579054.84	3751533.83	579054.78	3751533.91	0.06	-0.078
6/25/07 12:17 PM	460	90-15-460		14	5	0	40	Frag	3	12	Actual	MD	579064.59	3751534.13	579064.52	3751534.06	0.066	0.07
6/18/07 11:43 AM	461	90-15-461		16	8	-90	20	Frag	3	7	Actual	MD	579040.37	3751534.34	579040.36	3751534.42	0.011	-0.082
6/18/07 11:22 AM	462	90-15-462		46	2	0	0	Rock	5	2	Actual	Rock	579036.53	3751536.49	579036.44	3751536.43	0.094	0.062
6/18/07 11:55 AM	463	90-15-463		9	5	-45	170	Frag	2	16	Actual	MD	579029.54	3751536.51	579029.55	3751536.59	-0.013	-0.084
6/19/07 8:21 AM	464	90-15-464		17	20	0	190	Frag	3	12	Actual	MD	579021.49	3751538.49	579021.56	3751538.36	-0.071	0.13
6/18/07 11:37 AM	465	90-15-465		45	2	0	0	Rock	4	1	Actual	Rock	579056.72	3751538.15	579056.85	3751538.33	-0.132	-0.176
6/18/07 11:44 AM	466	90-15-466		2	0	-90	40	Baseplate	4	11	Actual	MD	579040.63	3751538.57	579040.69	3751538.43	-0.055	0.142
6/18/07 3:19 PM	467	90-15-467		2	2	0	120	Frag	2	10	Actual	MD	579045.07	3751538.64	579045.09	3751538.61	-0.024	0.028
6/25/07 2:02 PM	468	90-15-468			6	0	0	Rock		2	Actual	Rock	579026.50	3751540.50	579026.38	3751540.45	0.125	0.049
6/19/07 9:33 AM	469	90-15-469		62	55	45	340	Seeds	10	45	Actual	Seed Item	579033.63	3751541.03	579033.71	3751540.76	-0.075	0.273
6/19/07 8:16 AM	470	90-15-470		14	6	-45	20	Frag	3	9	Actual	MD	579019.95	3751540.89	579019.99	3751541.14	-0.041	-0.253
6/19/07 9:36 AM	471	90-15-471		45	75	0	0	Soils	3	0	Actual	Soils	579029.44	3751541.93	579029.47	3751542.17	-0.025	-0.236
6/19/07 8:17 AM	472	90-15-472		19	20	-45	270	Seeds	19	45	Actual	Seed Item	579023.63	3751542.25	579023.77	3751542.20	-0.144	0.048
6/18/07 11:45 AM	473	90-15-473		-4	4	0	0	Rock	4	2	Actual	Rock	579037.57	3751542.90	579037.44	3751543.13	0.131	-0.227
6/25/07 12:00 PM	474	90-15-474		14	6	0	40	Scrap Metal	2	5	Actual	Cultural	579041.64	3751542.95	579041.83	3751543.03	-0.186	-0.078
6/18/07 10:54 AM	475	90-15-475		40	12	-45	30	Frag	7	11	Actual	MD	579058.81	3751543.40	579058.72	3751543.21	0.095	0.187
6/18/07 10:35 AM	476	90-15-476		21	13	0	20	Frag	3	7	Actual	MD	579041.89	3751545.24	579041.93	3751545.28	-0.037	-0.044
6/18/07 10:41 AM	477	90-15-477		34	25	0	50	Baseplate	6	12	Actual	MD	579057.99	3751545.73	579058.07	3751545.74	-0.076	-0.008
6/19/07 8:28 AM	478	90-15-478		17	8	0	120	Frag	3	12	Actual	MD	579022.05	3751546.56	579022.24	3751546.14	-0.193	0.416
6/19/07 8:26 AM	479	90-15-479		11	20	0	0	Frag	2	3	Approximate	MD	579025.46	3751547.26	579025.47	3751547.37	-0.012	-0.11
6/18/07 11:46 AM	480	90-15-480		6	0	0	0	Rock	1	2	Actual	Rock	579037.03	3751547.01	579037.11	3751547.02	-0.079	-0.008
6/19/07 8:22 AM	481	90-15-481		28	7	0	0	Frag	3	2	Actual	MD	579029.12	3751547.36	579028.78	3751547.36	0.342	0.001
6/25/07 12:12 PM	482	90-15-482			11	0	80	Frag		6	Actual	MD	579046.50	3751547.50	579046.38	3751547.43	0.12	0.07
6/18/07 10:32 AM	483	90-15-483	1	18	12	-90	100	Frag	5	13	Actual	MD	579047.46	3751549.30	579047.42	3751549.32	0.04	-0.018
6/18/07 11:50 AM	484	90-15-484	1	48	1	0	20	Nose Frag	4	7	Actual	MD	579040.37	3751549.84	579040.40	3751549.68	-0.034	0.157
6/18/07 11:48 AM	485	90-15-485	1	51	7	0	0	Rock	3	2	Actual	Rock	579037.95	3751549.04	579037.87	3751549.00	0.083	0.101
6/19/07 8:31 AM	486	90-15-486	1	13	7	0	70	Frag	4	7	Actual	MD	579021.61	3751550.25	579021.69	3751530.13	-0.076	0.166
6/18/07 10:25 AM	487	90-15-487	l	51	3	0	0	Rock	4	2	Actual	Rock	579061.37	3751550.15	579061.42	3751549.96	-0.053	-0.137
6/19/07 8:32 AM	488	90-15-488	l	32	5	0	0	Rock	2	3	Actual	Rock	579015.73	3751550.61	579015.90	3751550.81	-0.033	-0.137
6/18/07 11:51 AM	489	90-15-489	<del>                                     </del>	11	2	0	0	Rock	2	1	Actual	Rock	579013.73	3751550.01	579013.90	3751550.61	0.102	-0.2
0/10/0/ 11.31 AW	403	JU-1J-408	l			U	U	INDUK		_ '	Actual	INUUN	313031.30	3131332.30	313031.40	3731332.00	0.102	-0.301

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

Cm	Easting 579052.07 579013.18 579026.23 579041.68 579032.13 579046.95 579042.43 579007.72 579044.62	Northing 3751552.86 3751552.98 3751553.70 3751553.70 3751554.33 3751555.71 3751555.71	579013.09 579026.29 579041.63 579032.17 579046.96	Northing 3751552.88 3751553.03 3751553.62 3751553.72 3751553.94 3751554.28	Δ Easting -0.015 0.09 -0.06 0.051 -0.036	Δ Northing -0.017 -0.051 0.027 -0.02
TimeStamp         Alias         Anomaly ID         Flag ID         Predicted Depth         Depth Depth         Inclination         Azimuth         Identification         Predicted Length         Length         Actual/Approx         Dig Type           6/18/07 10:28 AM         490         90-15-490         4         1         0         40         Nose Frag         2         7         Actual         MD           6/19/07 8:24 AM         491         90-15-491         32         30         -45         120         Seeds         2         45         Actual         Seed Item           6/18/07 3:23 PM         493         90-15-492         8         4         -45         240         Frag         4         13         Actual         MD           6/18/07 3:23 PM         493         90-15-493         41         8         0         0         Rock         3         3         Actual         Rock           6/19/07 8:26 AM         494         90-15-494         5         5         5         0         0         Rock         1         3         Approximate         Rock           6/18/07 10:03 AM         495         90-15-495         20         4         0         120         Frag <td< th=""><th>579052.07 579013.18 579026.23 579041.68 579032.13 579046.95 579042.43 579007.72 579044.62</th><th>3751552.86 3751552.98 3751553.65 3751553.70 3751553.70 3751554.33 3751555.71</th><th>579052.09 579013.09 579026.29 579041.63 579032.17 579046.96</th><th>3751552.88 3751553.03 3751553.62 3751553.72 3751553.94</th><th>-0.015 0.09 -0.06 0.051</th><th>-0.017 -0.051 0.027</th></td<>	579052.07 579013.18 579026.23 579041.68 579032.13 579046.95 579042.43 579007.72 579044.62	3751552.86 3751552.98 3751553.65 3751553.70 3751553.70 3751554.33 3751555.71	579052.09 579013.09 579026.29 579041.63 579032.17 579046.96	3751552.88 3751553.03 3751553.62 3751553.72 3751553.94	-0.015 0.09 -0.06 0.051	-0.017 -0.051 0.027
6/18/07 10:28 AM 490 90-15-490 4 1 0 40 Nose Frag 2 7 Actual MD 6/19/07 8:34 AM 491 90-15-491 32 30 -45 120 Seeds 2 45 Actual Seed Item 6/19/07 8:24 AM 492 90-15-492 8 4 -45 240 Frag 4 13 Actual MD 6/18/07 3:23 PM 493 90-15-493 41 8 0 0 Rock 3 3 Actual Rock 6/19/07 8:26 AM 494 90-15-494 5 5 0 0 Rock 1 3 Approximate Rock 6/18/07 10:03 AM 495 90-15-495 20 4 0 120 Frag 3 2 Approximate MD 6/18/07 10:11 AM 496 90-15-496 17 2 0 120 Frag 3 6 Actual MD 6/18/07 10:03 AM 497 90-15-496 17 2 0 Baseplate 6 11 Actual MD 6/18/07 10:08 AM 498 90-15-498 7 3 -45 120 Baseplate 4 11 Actual MD 6/18/07 10:03 AM 498 90-15-499 15 3 330 -90 Frag 3 10 Actual MD 6/18/07 10:14 AM 500 90-15-499 15 3 330 -90 Frag 2 7 Actual MD 6/18/07 10:14 AM 500 90-15-500 11 5 0 90 Nose Frag 2 7 Actual MD	579052.07 579013.18 579026.23 579041.68 579032.13 579046.95 579042.43 579007.72 579044.62	3751552.86 3751552.98 3751553.65 3751553.70 3751553.70 3751554.33 3751555.71	579052.09 579013.09 579026.29 579041.63 579032.17 579046.96	3751552.88 3751553.03 3751553.62 3751553.72 3751553.94	-0.015 0.09 -0.06 0.051	-0.017 -0.051 0.027
6/19/07 8:34 AM 491 90-15-491 32 30 -45 120 Seeds 2 45 Actual Seed Item 6/19/07 8:24 AM 492 90-15-492 8 4 -45 240 Frag 4 13 Actual MD 6/18/07 3:23 PM 493 90-15-493 41 8 0 0 Rock 3 3 Actual Rock 6/19/07 8:26 AM 494 90-15-494 5 5 0 0 Rock 1 3 Approximate Rock 6/18/07 10:03 AM 495 90-15-495 20 4 0 120 Frag 3 2 Approximate MD 6/18/07 10:11 AM 496 90-15-496 17 2 0 120 Frag 3 6 Actual MD 6/18/07 10:03 AM 497 90-15-497 11 0 60 0 Baseplate 6 11 Actual MD 6/18/07 10:08 AM 498 90-15-498 7 3 -45 120 Baseplate 4 11 Actual MD 6/18/07 9:35 AM 499 90-15-499 15 3 330 -90 Frag 3 10 Actual MD 6/18/07 10:14 AM 500 90-15-500 11 5 0 90 Nose Frag 2 7 Actual MD	579013.18 579026.23 579041.68 579032.13 579046.95 579042.43 579007.72 579044.62	3751552.98 3751553.65 3751553.70 3751553.70 3751554.33 3751555.71	579013.09 579026.29 579041.63 579032.17 579046.96	3751553.03 3751553.62 3751553.72 3751553.94	0.09 -0.06 0.051	-0.051 0.027
6/19/07 8:24 AM         492         90-15-492         8         4         -45         240         Frag         4         13         Actual         MD           6/18/07 3:23 PM         493         90-15-493         41         8         0         0         Rock         3         3         Actual         Rock           6/19/07 8:26 AM         494         90-15-494         5         5         0         0         Rock         1         3         Approximate         Rock           6/18/07 10:03 AM         495         90-15-495         20         4         0         120         Frag         3         2         Approximate         MD           6/18/07 10:11 AM         496         90-15-496         17         2         0         120         Frag         3         6         Actual         MD           6/18/07 10:08 AM         497         90-15-496         17         2         0         120         Frag         3         6         Actual         MD           6/18/07 10:08 AM         497         90-15-497         11         0         60         0         Baseplate         6         11         Actual         MD           6/18/07 10:08 AM	579026.23 579041.68 579032.13 579046.95 579042.43 579007.72 579044.62	3751553.65 3751553.70 3751553.70 3751554.33 3751555.71	579026.29 579041.63 579032.17 579046.96	3751553.62 3751553.72 3751553.94	-0.06 0.051	0.027
6/18/07 3:23 PM         493         90-15-493         41         8         0         0         Rock         3         3         Actual         Rock           6/19/07 8:26 AM         494         90-15-494         5         5         0         0         Rock         1         3         Approximate         Rock           6/18/07 10:03 AM         495         90-15-495         20         4         0         120         Frag         3         2         Approximate         MD           6/18/07 10:11 AM         496         90-15-496         17         2         0         120         Frag         3         6         Actual         MD           6/18/07 10:08 AM         497         90-15-497         11         0         60         0         Baseplate         6         11         Actual         MD           6/18/07 10:08 AM         498         90-15-498         7         3         -45         120         Baseplate         4         11         Actual         MD           6/18/07 9:35 AM         499         90-15-499         15         3         330         -90         Frag         3         10         Actual         MD           6/18/07 10:14	579041.68 579032.13 579046.95 579042.43 579007.72 579044.62	3751553.70 3751553.70 3751554.33 3751555.71	579041.63 579032.17 579046.96	3751553.72 3751553.94	0.051	
6/19/07 8:26 AM         494         90-15-494         5         5         0         0         Rock         1         3         Approximate         Rock           6/18/07 10:03 AM         495         90-15-495         20         4         0         120         Frag         3         2         Approximate         MD           6/18/07 10:11 AM         496         90-15-496         17         2         0         120         Frag         3         6         Actual         MD           6/14/07 11:59 AM         497         90-15-497         11         0         60         0         Baseplate         6         11         Actual         MD           6/18/07 10:08 AM         498         90-15-498         7         3         -45         120         Baseplate         4         11         Actual         MD           6/18/07 9:35 AM         499         90-15-498         7         3         -45         120         Baseplate         4         11         Actual         MD           6/18/07 10:14 AM         500         90-15-499         15         3         330         -90         Frag         3         10         Actual         MD           6/18/0	579032.13 579046.95 579042.43 579007.72 579044.62	3751553.70 3751554.33 3751555.71	579032.17 579046.96	3751553.94		
6/18/07 10:03 AM         495         90-15-495         20         4         0         120         Frag         3         2         Approximate         MD           6/18/07 10:11 AM         496         90-15-496         17         2         0         120         Frag         3         6         Actual         MD           6/14/07 11:59 AM         497         90-15-497         11         0         60         0         Baseplate         6         11         Actual         MD           6/18/07 10:08 AM         498         90-15-498         7         3         -45         120         Baseplate         4         11         Actual         MD           6/18/07 9:35 AM         499         90-15-499         15         3         330         -90         Frag         3         10         Actual         MD           6/18/07 10:14 AM         500         90-15-500         11         5         0         90         Nose Frag         2         7         Actual         MD	579046.95 579042.43 579007.72 579044.62	3751554.33 3751555.71	579046.96			-0.02
6/18/07 10:11 AM         496         90-15-496         17         2         0         120         Frag         3         6         Actual         MD           6/14/07 11:59 AM         497         90-15-497         11         0         60         0         Baseplate         6         11         Actual         MD           6/18/07 10:08 AM         498         90-15-498         7         3         -45         120         Baseplate         4         11         Actual         MD           6/18/07 9:35 AM         499         90-15-499         15         3         330         -90         Frag         3         10         Actual         MD           6/18/07 10:14 AM         500         90-15-500         11         5         0         90         Nose Frag         2         7         Actual         MD	579042.43 579007.72 579044.62	3751555.71		3/3/334.20	-0.013	0.047
6/14/07 11:59 AM         497         90-15-497         11         0         60         0         Baseplate         6         11         Actual         MD           6/18/07 10:08 AM         498         90-15-498         7         3         -45         120         Baseplate         4         11         Actual         MD           6/18/07 9:35 AM         499         90-15-499         15         3         330         -90         Frag         3         10         Actual         MD           6/18/07 10:14 AM         500         90-15-500         11         5         0         90         Nose Frag         2         7         Actual         MD	579007.72 579044.62		3/9042.40	3751555.66	-0.013	0.047
6/18/07 10:08 AM         498         90-15-498         7         3         -45         120         Baseplate         4         11         Actual         MD           6/18/07 9:35 AM         499         90-15-499         15         3         330         -90         Frag         3         10         Actual         MD           6/18/07 10:14 AM         500         90-15-500         11         5         0         90         Nose Frag         2         7         Actual         MD	579044.62	3/51555.44		3751555.62	-0.049	-0.184
6/18/07 9:35 AM 499 90-15-499 15 3 330 -90 Frag 3 10 Actual MD 6/18/07 10:14 AM 500 90-15-500 11 5 0 90 Nose Frag 2 7 Actual MD	_	3751555.63		3751555.60	0.01	0.033
6/18/07 10:14 AM 500 90-15-500 11 5 0 90 Nose Frag 2 7 Actual MD			_	3751555.00	0.01	0.033
1	579050.76 579065.65			3751556.13	0.054	-0.017
1 0/13/07 6.30 AW   301   30-13-301     2   0   0   120   Flag   2   0   Actual   WD	579003.03	3751555.70		3751555.72	-0.059	-0.017
6/19/07 8:30 AM 502 90-15-502 11 6 0 0 Rock 2 2 Actual Rock	579018.80	3751556.10		3751556.97	0.258	-0.006
6/19/07 8:40 AM 503 90-15-503 18 15 -90 60 Frag 2 8 Actual MD	579029.31	3751550.90		3751550.97	0.256	-0.000
6/18/07 10:22 AM 504 90-15-504 18 5 0 0 Frag 3 8 Actual MD	579024.96	3751557.03	_	3751557.74	0.035	0.02
6/14/07 11:57 AM 505 90-15-505 7 0 40 -90 Baseplate 5 11 Actual MD	579010.51	3751559.58		3751559.59	-0.037	-0.011
6/18/07 1:18 PM 506 90-15-506 53 30 0 180 Seeds 10 45 Actual Seed Item	579067.17	3751559.81		3751559.69	0.127	0.124
6/18/07 1:15 PM 507 90-15-507 19 10 -45 160 Halfshell 12 33 Actual MD	579055.92	3751560.11		3751559.97	-0.089	0.124
6/18/07 3:24 PM 508 90-15-508 4 2 0 50 Frag 2 9 Actual MD	579041.64	3751561.79		3751561.71	-0.049	0.139
G1407 11:54 AM 509 90-15-509 29 4 0 0 Rock 2 3 Actual Rock	579013.14	3751562.27		3751562.05	-0.282	0.221
6/18/07 10:17 AM 510 90-15-510 13 4 0 160 Nose Frag 2 7 Actual MD	579069.75	3751562.48		3751562.59	0.096	-0.112
6/14/07 10:24 AM 511 90-15-511 21 5 60 0 Fraq 3 6 Actual MD	579044.78			3751562.77	0.222	-0.14
6/14/07 2:05 PM 512 90-15-512 75 60 120 0 Seeds 9 45 Actual Seed Item	579018.70	3751563.64		3751563.58	-0.144	0.061
6/14/07 11:56 AM 513 90-15-513 33 0 100 0 Scrap Metal 4 7 Actual Cultural	579014.36	3751564.25	_	3751564.65	0.106	-0.4
6/14/07 11:47 AM 514 90-15-514 16 1 0 -90 Scrap Metal 2 8 Actual Cultural	579023.07	3751564.25		3751564.26	-0.228	-0.006
6/14/07 1:57 PM 515 90-15-515 39 35 20 -45 Halfshell 11 31 Actual MD	579048.34	3751565.43		3751564.98	-0.151	0.451
6/25/07 3:23 PM 516 90-15-516 41 4 0 0 Rock 3 2 Actual Rock	579068.41	3751565.30		3751565.58	-0.177	-0.278
6/14/07 10:25 AM 517 90-15-517 -3 2 0 0 Rock 1 2 Actual Rock	579033.18	3751565.72		3751565.74	-0.025	-0.015
6/14/07 2:00 PM 518 90-15-518 56 40 0 90 Seeds 12 45 Actual Seed Item	579042.14	3751566.48			-0.321	-0.13
6/14/07 2:12 PM 519 90-15-519 71 101 0 0 Soils 9 0 Actual Soils	579012.74	3751567.56		3751567.55	-0.307	0.01
6/14/07 12:01 PM 520 90-15-520 6 0 0 0 Scrap Metal 7 40 Actual Cultural	579008.78	3751568.00		3751568.22	0.264	-0.218
6/14/07 10:53 AM 521 90-15-521 11 0 170 -60 Baseplate 6 12 Actual MD	579029.03	3751568.69		3751568.74	-0.049	-0.054
6/14/07 10:55 AM 522 90-15-522 80 6 0 0 Rock 6 3 Actual Rock	579031.02	3751571.64		3751571.65	0.043	-0.009
6/14/07 12:06 PM 523 90-15-523 6 2 0 0 Rock 2 1 Actual Rock	579018.83	3751573.11		3751573.16	-0.018	-0.05
6/14/07 11:04 AM 524 90-15-524 10 3 120 0 Frag 4 11 Actual MD	579041.90	3751573.99		3751573.95	0.097	0.042
6/19/07 9:49 AM 525 90-15-525 48 78 0 75 Soils 2 0 Actual Soils	579013.30	3751574.34	_	3751574.41	-0.298	-0.067
6/14/07 2:50 PM 526 90-15-526 27 20 80 0 Nose Frag 4 7 Actual MD	579026.29	3751574.64	579026.25	3751574.58	0.045	0.061
6/14/07 12:14 PM 527 90-15-527 -3 0 90 0 Scrap Metal 1 7 Actual Cultural	579016.35	3751576.14		3751576.16	-0.154	-0.024
8/1/07 12:18 PM 528 90-15-528 33 63 0 0 No Contact 12 0 Actual No Contacts	579007.80				-0.18	-0.04
6/14/07 11:01 AM 529 90-15-529 61 10 0 0 Rock 5 1 Actual Rock	579034.65			3751578.37	0.163	-0.187
6/14/07 11:08 AM 530 90-15-530 13 6 0 0 Rock 2 2 Actual Rock	579040.75			3751578.81	0.233	-0.119
6/14/07 2:43 PM 531 90-15-531 59 50 60 -45 Seeds 10 45 Actual Seed Item	579024.28	3751579.60		3751579.66	-0.016	-0.056
6/19/07 9:45 AM 532 90-15-532 25 -90 150 Halfshell 30 Actual MD	579007.87	3751577.03		3751577.03	0	0
6/19/07 9:55 AM 533 90-15-533 42 72 0 0 Soils 3 0 Actual Soils	579013.30	3751580.72		3751580.74	0.014	-0.022
6/14/07 12:39 PM 534 90-15-534 5 3 70 0 Frag 4 9 Actual MD	579007.41	3751582.21		3751582.29	-0.083	-0.081

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

TimeStamp														UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
PrimeStamp   Alias   Anomaly   Discrimination   Discrim					(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
6140771197 AM   535   5015-535   42   0   0   0   Fing   5   6   1   Actual   MO   \$79086-81   \$75186-22   \$790870   \$75186-25   \$0.147   4.22   \$700870   \$75180-25   \$7518	Time Cterre	Alian	Amamah. ID	Flag		Domth	lu aliu ati au	Aminocusto	l doubification		Lamouth		Dia Tuna	Faction :	Negative		Manda to a	A.F. adia a	A November
814007   1112 AM   538   691-838   591   591   591   591   591   592   591   592			,	ID									• • • •						ŭ
919071   1005 AM   527   0.915 637   81   111   0   0   Solp   5   0   Actual   MD   S7907   S7907   S79183.32   S79183.43   0.0062   -0.083   61407   1215 PM   539   0.915 639   4.01   2.5   2.50   4.5   Nose Frag   6   7   Actual   MD   67900.983   375188.61   S7907.983   S7918.787   0.014   -0.103   0.014							v	Ū											_
61407   149 PM   538   00-15-588   1							•	_											
\$\text{8}\text{9}\te																			
69.409   59.415   5																			
61407 1137 PM	<u> </u>																		
\$\text{64.007} \tag{1.118} \text{AM} \text{542} \text{ 90-15-542} \text{ 90-15-542} \text{ 90-15-542} \text{ 90-15-543} \text{ 41} \text{ 33} \text{ 45} \text{ 330} \text{ 90-15-545} \text{ 90-15-544} \text{ 40} \text{ 70} \text{ 90-15-544} \text{ 40} \text{ 70-15-545} \text{ 90-15-544} \text{ 40} \text{ 70-15-545} \text{ 90-15-544} \text{ 40} \text{ 70-15-545} \text{ 90-15-544} \text{ 90-15-545}  90-						_													
6/1907   10/13 AM   544   91-55-43   44   38   -45   320   4-18   130   30   Actual   MD   5790/961   375/1580.06   5790/374   375/1580.05   0.126   0.012     6/1407   11/25 AM   545   90-15-545   31   13   0   0   0   Rock   2   2   Actual   Rock   5790/317   375/1580.16   375/1580.17   375/1							•												
619907 10-14 MM												Actual							
644071125 AM   546   09-15-549   0-15-549	6/19/07 10:13 AM	543	90-15-543				-45	320		13	30	Actual		579009.61	3751589.06		3751589.05		0.012
625697   1222 PM   546   99-15-546   99-15-547   96   126   0   0   Solts   4   0   Actual   Solts   579023,50   3751592.96   579023.62   3751592.03   5-004							·	Ŭ				Actual							
Figh					31		·	0		2		Actual							
61907 11-28 AM   548   90-15-549   20   30   -60   170   50   50-569   70   45   Actual   Section   57901-942   3751593.61   3751593.61   -0.006   -0.105	6/25/07 12:22 PM	546	90-15-546				0	0	Rock		2	Actual	Rock	579023.50		579023.62			-0.225
61907 1042 AM   549   90-15-549   20   30   -60   170   Seeds   7   45   Actual   Seed term   57902478   37519428   57902475   37519431   0.033   -0.03   -0	6/19/07 10:31 AM	547	90-15-547			126	0	0			0	Actual	Soils	579007.34	3751592.99	579007.29	3751593.03	0.055	-0.04
	6/19/07 11:28 AM	548	90-15-548			107	•		Soils		0	Actual	Soils	579019.42	3751593.50	579019.43	3751593.61	-0.006	-0.105
61907 10.47 AM								170			45	Actual							
6/18/07/12:10 PM   552   90-15-552   20   0   90   0   Scrap Metal   3   20   Actual   Comer Stake   57903-13   3751517.99   57904-97   3751518.11   0.165   -0.119	6/14/07 1:38 PM	550	90-15-550		60	6	0	0	Rock	5	1	Actual	Rock	579030.37	3751594.41	579030.40	3751594.33	-0.033	0.078
67180773:11 PM   553   90:15-553   93   90   90   90   90   90   90   9	6/19/07 10:47 AM	551	90-15-551		108	138	0	0	Soils	8	0	Actual	Soils	579027.39	3751596.65	579027.15	3751597.14	0.237	-0.485
6/14/07 8:09 AM   554   90-15-554   8	6/18/07 12:10 PM	552	90-15-552		20	0	-90	0	Scrap Metal	3	20	Actual	Corner Stake	579035.13	3751517.99	579034.97	3751518.11	0.165	-0.119
671407 10:23 AM 555 90-15:555	6/18/07 3:11 PM	553	90-15-553		31	0	-90	0	Scrap Metal	5	20	Actual	Corner Stake	579069.57	3751517.87	579070.04	3751518.02	-0.468	-0.146
6/14/07 1:191 AM 556 90:15-556 14 23 0 0 0 Nose Frag 2 7 Actual MD 5790:29.09 3751573.64 5790:29.05 3751573.59 0.04 0.051 6/14/07 1:11 AM 557 90:15-557 15 1 0 0 0 Rock 2 1 Actual Rock 5790:41.11 3751580:12 5790:43.79 3751579.99 0.324 0.127 6/14/07 1:29 AM 558 90:15-559 85 1 81 0 0 0 Soils 5 0 Actual Rock 5790:14.11 3751580:12 5790:19.49 3751579.99 0.324 0.127 6/14/07 1:39 PM 559 90:15-559 85 0 0 0 0 Rock 8 2 Actual Rock 5790:13.63 3751592.58 6790:19.40 3751592.84 0.365 0.202 6/14/07 1:39 PM 559 90:15-559 85 0 0 0 0 Rock 8 2 Actual Rock 5790:13.63 3751593.65 6790:13.03 3751597.58 0.062 0.202 6/14/07 1:39 PM 561 90:15-561 45 10 0 180 Frag 9 6 Actual MD 5790:42.24 3751533.64 5790:42.24 3751533.69 0.062 0.002 6/18/07 1:30 PM 562 90:15-561 45 10 0 180 Frag 3 10 Actual MD 5790:67.92 3751535.54 5790:82.8 3751535.53 0.382 0.012 6/18/07 1:30 PM 562 90:15-562 47 77 0 0 Soils 12 0 Actual Soils 5790:87.11 375152.11 40 0.47 0.298 6/18/07 1:22 PM 563 90:15-564 116 146 0 0 Soils 12 0 Actual Soils 5790:89.49 3751542.28 5790:89.51 3751542.85 0.017 0.617 6/18/07 1:22 PM 564 90:15-564 169 191 0 0 Soils 12 0 Actual Soils 5790:80.3 3751542.35 6790:88.43 3751542.85 0.045 0.141 6/18/07 1:22 PM 564 90:15-566 41 169 191 0 0 Soils 8 0 Actual Soils 5790:80.3 3751542.28 5790:86.81 3751542.28 0.045 0.141 6/18/07 1:32 PM 564 90:15-566 41 109 191 0 0 Soils 8 0 Actual Soils 5790:80.3 3751542.35 6790:86.81 3751542.25 0.045 0.141 6/18/07 1:32 PM 564 90:15-566 41 109 191 0 0 Soils 8 0 Actual Soils 5790:80.3 3751542.35 6790:86.81 3751542.35 0.0338 0.048 0.141 6/18/07 2:40 PM 569 90:15-566 41 43 0 0 80 0 Soils 8 0 Actual Soils 5790:80.3 3751540.00 5790:364 3751559.70 0.316 0.029 6/18/07 2:40 PM 569 90:15-566 41 41 40 0 0 Frag 6 6 Actual Rock 5790:46.0 3751552.3 6790:46.88 3751559.70 0.038 6 Actual Rock 5790:46.88 3751552.3 6790:46.88 3751552.3 6790:46.88 3751552.3 6790:46.88 3751552.3 6790:46.88 3751552.3 6790:46.88 3751552.3 6790:46.88 3751552.3 6790:46.88 3751552.3 6790:46.88 3751552.3 6790:46.88 3751552.3 6790:46.88 3751552.3 6790:46.88 3751552	6/19/07 8:09 AM	554	90-15-554		8	20	0	0	Nose Frag	1	7	Approximate	MD	579020.96	3751536.49	579020.78	3751536.40	0.179	0.087
671407 11:11 AM   557   90-15-557   558   51   81   0   0   0   Rock   2   1   Actual   Rock   579044.11   3751580.12   579043.79   3751579.99   0.324   0.127	6/14/07 10:23 AM	555	90-15-555		11	0	0	-90	Corner Stake	3	20	Actual	Cultural	579046.01	3751566.21	579046.05	3751566.04	-0.044	0.175
671907 11:22 AM 558 90-15-558	6/14/07 2:54 PM	556	90-15-556		14	23	0	0	Nose Frag	2	7	Actual	MD	579029.09	3751573.64	579029.05	3751573.59	0.04	0.051
6/14/07 1:39 PM 559 9-15-559 85 0 0 0 0 Rock 8 2 Actual Rock 579031.36 3751597.36 579031.30 3751597.56 0.062 -0.202 6/18/07 11:42 AM 560 90-15-560 101 6 0 80 Frag 9 6 Actual MD 579042.33 3751533.64 579042.24 3751533.69 0.093 -0.051 6/18/07 11:42 AM 560 90-15-561 45 10 0 180 Frag 3 10 Actual MD 579067.92 3751533.64 579042.24 3751533.69 0.093 -0.051 6/18/07 11:42 AM 560 90-15-562 47 77 7 0 0 0 Soils 5 0 Actual Soils 579063.71 3751521.44 579063.24 3751533.69 0.093 -0.051 6/18/07 11:29 PM 563 90-15-563 116 146 0 0 Soils 12 0 Actual Soils 579063.71 3751521.44 579063.24 3751542.85 -0.017 -0.017 6/18/07 3:22 PM 564 90-15-564 169 191 0 0 Soils 12 0 Actual Soils 579068.03 3751542.85 57908.47 3751542.82 -0.435 0.141 6/18/07 3:22 PM 565 90-15-564 169 191 0 0 Soils 16 0 Actual Soils 579068.03 3751542.85 -0.017 -0.017 6/18/07 3:22 PM 565 90-15-566 43 0 80 0 Soils 18 0 Actual Soils 579068.03 3751542.85 -0.017 -0.017 6/18/07 3:22 PM 565 90-15-566 43 0 80 0 Soils 18 0 Actual Soils 579068.03 3751542.85 -0.435 0.141 6/18/07 3:22 PM 565 90-15-566 43 0 80 0 Soils 18 0 Actual Soils 579046.02 3751551.27 579045.68 3751551.32 0.338 -0.048 6/14/07 11:50 AM 566 90-15-566 43 0 80 0 Soils 11 7 Actual Rock 579013.66 3751560.00 579013.64 3751559.97 0.316 0.029 6/19/07 8:14 AM 568 90-15-568 142 171 0 0 Soils 11 0 Actual Soils 57904.60 3751560.00 579013.64 3751559.97 0.016 0.029 6/19/07 8:14 AM 568 90-15-568 142 171 0 0 Soils 11 0 Actual Soils 57904.60 3751560.00 57904.53 3751560.19 -0.025 0.098 6/19/07 9:14 AM 568 90-15-568 142 171 0 0 0 Soils 11 0 Actual Soils 57904.60 3751560.00 57904.55 3751563.76 0.018 0.048	6/14/07 11:11 AM	557	90-15-557		15	1	0	0	Rock	2	1	Actual	Rock	579044.11	3751580.12	579043.79	3751579.99	0.324	0.127
6/18/07 11:42 AM 560 90-15-560 101 6 0 80 Frag 9 6 Actual MD 579042.33 3751533.64 579042.24 3751533.69 0.093 -0.051 6/18/07 1:43 PM 561 90-15-561 45 10 0 180 Frag 3 10 Actual MD 579067.92 3751535.54 57908.28 3751533.69 0.093 -0.051 6/18/07 1:43 PM 561 90-15-562 47 77 0 0 0 Solis 5 0 Actual Solis 579067.92 3751535.54 57908.28 3751535.53 -0.362 0.012 6/18/07 1:59 PM 563 90-15-562 47 77 0 0 0 Solis 5 0 Actual Solis 57906.94 3751542.23 579069.24 3751542.85 -0.017 -0.617 6/18/07 1:22 PM 564 90-15-563 116 146 0 0 Solis 12 0 Actual Solis 57906.09 3751542.23 579069.51 3751542.85 -0.017 -0.617 6/18/07 1:22 PM 564 90-15-565 175 105 0 0 Solis 16 0 Actual Solis 57906.09 3751542.23 579069.51 3751542.85 -0.017 -0.617 6/18/07 1:22 PM 564 90-15-566 90-15-565 175 105 0 0 Solis 8 0 Actual Solis 57906.09 3751542.23 579069.64 3751542.85 -0.017 -0.617 6/18/07 1:25 PM 564 90-15-566 43 0 0 Solis 8 0 Actual Solis 57906.09 3751542.3 57906.68 7751542.85 -0.017 -0.617 6/18/07 1:25 PM 566 90-15-566 43 0 0 Solis 8 0 Actual Solis 57906.09 3751540.96 57906.68 7751542.85 -0.018 -0.048 6/14/07 1:50 AM 566 90-15-566 43 0 0 Solis 8 0 Actual Solis 57906.09 3751560.00 579013.64 3751559.97 0.316 0.029 6/19/07 8:38 AM 567 90-15-566 43 0 0 Solis 57906.80 14 1 0 Actual Solis 579013.69 3751560.00 579013.64 3751559.97 0.316 0.029 6/19/07 8:38 AM 567 90-15-567 20 3 0 0 Rock 2 2 2 Actual Rock 579024.50 3751560.00 579013.64 3751523.76 0.018 4 0.048 4 0.044 4 0.044 4 0 0 Solis 11 0 Actual Solis 579016.80 375157.92 579016.68 3751572.26 0.124 0.048 4 0.044 0.044 4 0.044 0 0 Frag 6 6 6 Actual MD 57904.50 375156.00 579016.68 3751572.26 0.124 0.048 4 0.044	6/19/07 11:22 AM	558	90-15-558		51	81	0	0	Soils	5	0	Actual	Soils	579021.57	3751592.57	579021.94	3751592.84	-0.365	-0.273
6/18/07 1:43 PM 561 90-15-561 45 10 0 180 Frag 3 10 Actual MD 579067.92 3751535.54 579068.28 3751535.53 -0.362 0.012 6/18/07 3:08 PM 562 90-15-562 47 77 0 0 0 Solis 5 0 Actual Solis 579063.71 3751521.44 579063.24 3751521.74 0.47 -0.298 6/18/07 2:59 PM 563 90-15-563 116 146 0 0 Solis 12 0 Actual Solis 579063.71 3751521.44 579063.24 3751521.74 0.47 -0.288 6/18/07 1:22 PM 564 90-15-564 169 191 0 0 Solis 16 0 Actual Solis 579068.03 3751542.23 579069.51 3751542.85 -0.017 -0.617 6/18/07 1:22 PM 564 90-15-565 169 191 0 0 Solis 16 0 Actual Solis 579068.03 3751542.23 579069.51 3751542.85 -0.017 -0.617 6/18/07 1:22 PM 565 90-15-565 75 105 0 0 Solis 8 0 Actual Solis 579068.03 3751542.23 579089.51 3751542.85 -0.017 -0.617 6/18/07 3:22 PM 565 90-15-566 43 0 0 Solis 8 0 Actual Solis 57904.02 3751551.27 579045.68 3751551.32 0.338 -0.048 6/14/07 11:50 AM 566 90-15-566 43 0 0 Solis 8 0 Actual Solis 57904.02 3751560.00 579013.64 3751559.97 0.316 0.029 6/19/07 9:14 AM 568 90-15-567 20 3 0 0 Rock 2 2 Actual Rock 57902.6 3751560.00 579013.64 3751559.97 0.316 0.029 6/19/07 9:14 AM 568 90-15-568 142 171 0 0 Solis 11 0 Actual Solis 57903.56 3751523.28 579035.58 3751523.76 -0.018 -0.484 6/14/07 2:40 PM 569 90-15-569 165 91 0 0 Solis 61 0 Actual Solis 579018.00 3751570.00 579043.25 3751572.26 0.124 -0.342 6/14/07 1:51 PM 571 90-15-570 68 7 80 -90 Frag 1 11 Actual MD 57902.84 3751560.6 3751570.35 375160.19 0.246 6/14/07 3:40 PM 572 90-16-572 64 7 0 0 Rock 6 4 Actual Rock 57903.39 3751600.67 57903.39 3751601.11 -0.042 -0.435 6/13/07 3:45 PM 573 90-16-574 31 20 0 0 Rock 6 4 Actual Rock 57903.39 3751600.67 57903.39 3751601.29 -0.003 0.014 6/13/07 3:45 PM 574 90-16-574 31 20 0 0 Rock 1 3 Actual Rock 57903.39 3751600.50 57904.15 3751603.50 0.028 0.118 6/13/07 3:45 PM 575 90-16-575 7 4 0 0 Rock 1 3 Actual Rock 57903.39 3751600.67 57903.39 3751605.70 -0.003 0.004 0.004 0.006 0.004 0.006 0.004 0.005 0.00	6/14/07 1:39 PM	559	90-15-559		85	0	0	0	Rock	8	2	Actual	Rock	579031.36	3751597.36	579031.30	3751597.56	0.062	-0.202
6/18/07 3:08 PM 562 90-15-562 47 77 0 0 0 Soils 5 0 Actual Soils 579063.71 3751521.44 579063.24 3751521.74 0.47 -0.298 6/25/07 2:59 PM 563 90-15-563 116 146 0 0 Soils 12 0 Actual Soils 579069.49 3751542.25 579069.43 3751542.85 -0.017 -0.617	6/18/07 11:42 AM	560	90-15-560		101	6	0	80	Frag	9	6	Actual	MD	579042.33	3751533.64	579042.24	3751533.69	0.093	-0.051
6/25/07 2:59 PM 563 90-15-563 116 146 0 0 0 Soils 12 0 Actual Soils 579069.49 3751542.23 579069.51 3751542.85 -0.017 -0.617 6/18/07 1:22 PM 564 90-15-564 169 191 0 0 0 Soils 16 0 Actual Soils 579068.03 3751545.96 579068.47 3751545.82 -0.435 0.141 80/18/07 3:22 PM 565 90-15-565 75 105 0 0 Soils 8 0 Actual Soils 579068.03 3751545.96 579068.47 3751545.82 -0.435 0.141 80/18/07 3:22 PM 566 90-15-566 43 0 80 0 Scrap Metal 1 7 Actual Soils 579068.03 3751560.09 579013.64 3751559.97 0.316 0.029 8/19/07 8:38 AM 567 90-15-567 20 3 0 0 Rock 2 2 Actual Rock 579024.50 3751560.09 579013.64 3751559.97 0.316 0.029 8/19/07 9:14 AM 568 90-15-568 142 171 0 0 0 Soils 11 0 Actual Soils 579035.66 3751552.28 579035.58 3751523.76 -0.018 -0.484 8/14/07 1:54 PM 570 90-15-570 68 7 80 -90 Frag 6 6 Actual MD 579043.06 3751572.26 0.124 -0.342 8/14/07 1:54 PM 570 90-15-571 11 4 4 40 0 Frag 1 11 Actual MD 579029.84 3751586.45 579029.78 375186.52 0.064 -0.068 8/13/07 3:45 PM 572 90-16-572 64 7 0 0 0 Rock 6 4 Actual Rock 579029.84 3751586.45 579029.78 3751586.52 0.064 -0.068 8/13/07 3:45 PM 573 90-16-573 29 26 0 0 260 Nose Frag 5 11 Actual Rock 57903.39 375160.07 Rock 8/13/07 3:45 PM 573 90-16-574 31 20 0 0 Rock 3 2 Actual Rock 57903.93 375160.07 Rock 8/13/07 3:45 PM 574 90-16-574 31 20 0 0 Rock 3 2 Actual Rock 57903.93 375160.07 Rock 8/13/07 3:45 PM 575 90-16-575 7 4 0 0 130 Frag 2 8 Actual Rock 57903.93 375160.07 Rock 8/13/07 3:45 PM 575 90-16-575 7 4 0 0 130 Frag 2 8 Actual Rock 57903.93 375160.07 Rock 8/13/07 3:45 PM 575 90-16-575 7 4 0 0 130 Frag 2 8 Actual Rock 57903.93 375160.07 Rock 8/13/07 3:45 PM 575 90-16-575 7 14 14 0 0 150 Nose Frag 3 7 Actual Rock 57903.93 375160.03 57904.15 3751605.07 -0.092 -0.042 8/13/07 3:45 PM 575 90-16-575 7 14 14 0 0 150 Nose Frag 3 7 Actual Rock 57903.03 375160.03 57904.15 375160.05 70.002 -0.042 8/13/07 3:45 PM 577 90-16-575 7 14 14 0 0 150 Nose Frag 3 7 Actual Rock 57903.09 375160.06 3751610.44 0.002 0.055 8/13/07 3:46 PM 577 90-16-578 7 14 14 0 0 150 Nose Frag 3 7 Actual Rock 57903.00 375160.66 3751610.4	6/18/07 1:43 PM	561	90-15-561		45	10	0	180	Frag	3	10	Actual	MD	579067.92	3751535.54	579068.28	3751535.53	-0.362	0.012
6/18/07 1:22 PM 564 90-15-564 169 191 0 0 Soils 16 0 Actual Soils 579068.03 3751545.96 579068.47 3751545.82 -0.435 0.141 6/18/07 3:22 PM 565 90-15-565 75 105 0 0 Soils 8 0 Actual Soils 579046.02 3751551.27 579045.68 3751551.32 0.338 -0.048 6/14/07 11:50 AM 566 90-15-566 43 0 80 0 Scrap Metal 1 7 Actual Cultural 579013.96 3751560.00 579013.64 3751559.97 0.316 0.029 6/19/07 8:38 AM 567 90-15-567 20 3 0 0 0 Rock 2 2 Actual Rock 579024.50 3751560.09 579024.53 3751560.19 -0.025 -0.098 6/19/07 9:14 AM 568 90-15-568 142 171 0 0 0 Soils 11 0 Actual Soils 579035.56 3751523.28 579035.58 3751523.76 -0.018 -0.484 6/14/07 1:54 PM 570 90-15-569 165 91 0 0 0 Soils 61 0 Actual Soils 579013.60 3751571.92 579016.68 3751572.26 0.124 -0.342 6/14/07 1:54 PM 570 90-15-570 688 7 80 -90 Frag 6 6 Actual MD 579049.06 3751586.45 579029.78 3751586.52 0.064 -0.068 6/13/07 3:34 PM 573 90-16-572 64 7 0 0 0 Rock 6 4 Actual Rock 57903.55 3751586.45 579029.78 3751586.52 0.064 -0.068 6/13/07 3:34 PM 573 90-16-573 29 26 0 260 Nose Frag 5 11 Actual MD 57904.13 375160.00 57903.39 3751601.19 -0.042 -0.435 6/13/07 3:45 PM 574 90-16-574 31 20 0 0 Rock 3 2 Actual Rock 57903.34 375160.07 8rock 6/13/07 3:45 PM 575 90-16-575 7 4 0 130 Frag 2 8 Actual Rock 57903.48 375160.07 8rock 6/13/07 3:45 PM 574 90-16-575 7 4 0 130 Frag 2 8 Actual Rock 57903.34 375160.07 8rock 6/13/07 3:45 PM 575 90-16-575 7 4 0 130 Frag 2 8 Actual Rock 57903.34 375160.07 8rock 6/13/07 3:45 PM 575 90-16-575 7 4 0 130 Frag 2 8 Actual Rock 57903.34 375160.07 8rock 6/13/07 3:45 PM 575 90-16-575 7 4 0 130 Frag 2 8 Actual Rock 57903.34 375160.61 57904.15 375160.50 57904.15 375160.50 57904.15 375160.50 57904.15 375160.50 57904.15 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160.66 57902.78 375160	6/18/07 3:08 PM	562	90-15-562		47	77	0	0	Soils	5	0	Actual	Soils	579063.71	3751521.44	579063.24	3751521.74	0.47	-0.298
6/18/07 3:22 PM 565 90-15-565 75 105 0 0 Soils 8 0 Actual Soils 579046.02 3751551.27 579045.68 3751551.32 0.338 -0.048 6/14/07 11:50 AM 566 90-15-566 43 0 80 0 Scrap Metal 1 7 Actual Cultural 579013.96 3751560.00 579013.64 3751559.97 0.316 0.029 6/19/07 9:14 AM 568 90-15-567 20 3 0 0 0 Rock 2 2 Actual Rock 579024.50 3751560.00 579024.53 3751560.19 -0.025 -0.025 6/19/07 9:14 AM 568 90-15-568 142 171 0 0 0 Soils 11 0 Actual Soils 579016.80 3751523.28 579035.58 3751523.76 -0.018 -0.048 6/14/07 1:54 PM 569 90-15-569 165 91 0 0 Soils 61 0 Actual Soils 579016.80 375157.192 579016.68 3751572.26 0.124 -0.342 6/14/07 1:54 PM 570 90-15-570 68 7 80 -90 Frag 6 6 Actual MD 579043.06 3751560.05 579043.25 3751560.55 -0.193 0.254 6/14/07 3:31 PM 571 90-16-572 64 7 0 0 0 Rock 6 4 Actual Rock 579035.56 3751586.45 579029.78 3751586.52 0.064 -0.068 6/13/07 3:34 PM 573 90-16-573 29 26 0 260 Nose Frag 5 11 Actual Rock 579035.35 375160.06 579045.13 375160.19 -0.042 -0.043 6/13/07 3:45 PM 573 90-16-574 31 20 0 0 Rock 3 2 Actual Rock 579033.49 375160.06 579044.15 375160.57 -0.043 0.028 6/13/07 3:45 PM 575 90-16-575 7 4 0 130 Frag 2 8 Actual Rock 579033.49 375160.60 579044.15 375160.50 -0.043 0.041 6/13/07 3:45 PM 577 90-16-576 7 1 9 0 0 Rock 1 3 Actual Rock 579033.49 375160.60 579044.15 375160.50 0.028 0.108 6/13/07 3:45 PM 577 90-16-576 7 1 4 0 150 Nose Frag 3 7 Actual Rock 579033.49 375160.60 579047.78 375160.72 -0.092 0.043 6/13/07 3:45 PM 577 90-16-576 7 1 4 0 150 Nose Frag 3 7 Actual Rock 579033.19 375160.61 579047.78 375160.57 0.028 0.048 6/13/07 3:45 PM 577 90-16-577 14 14 14 0 150 Nose Frag 3 7 Actual Rock 579033.19 375160.61 579047.78 375160.57 0.029 0.036 6/13/07 3:45 PM 577 90-16-577 14 14 14 0 150 Nose Frag 3 7 Actual Rock 579033.19 375160.61 579047.78 375160.57 0.092 0.055 0.005 0.	6/25/07 2:59 PM	563	90-15-563		116	146	0	0	Soils	12	0	Actual	Soils	579069.49	3751542.23	579069.51	3751542.85	-0.017	-0.617
6/14/07 11:50 AM 566 90-15-566 43 0 80 0 Scrap Metal 1 7 Actual Cultural 579013.96 3751560.00 579013.64 3751559.97 0.316 0.029 6/19/07 8:38 AM 567 90-15-567 20 3 0 0 0 Rock 2 2 Actual Rock 579024.50 3751560.09 579024.53 3751560.19 -0.025 -0.098 6/19/07 9:14 AM 568 90-15-568 142 171 0 0 0 Soils 11 0 Actual Soils 579035.56 3751523.28 579035.58 3751523.76 -0.018 -0.484 6/14/07 2:40 PM 569 90-15-569 165 91 0 0 Soils 61 0 Actual Soils 579013.66 3751570.26 0.124 -0.342 6/14/07 1:51 PM 570 90-15-570 68 7 80 -90 Frag 6 6 Actual MD 579043.06 3751576.60 579043.25 3751560.52 -0.193 0.254 6/14/07 1:51 PM 571 90-15-571 11 4 4 00 0 Frag 1 11 Actual MD 579029.84 3751586.52 0.064 -0.068 6/13/07 3:44 PM 572 90-16-572 64 7 0 0 Rock 6 4 Actual Rock 579035.35 3751600.67 579035.39 3751601.11 -0.042 -0.435 6/13/07 3:45 PM 573 90-16-573 29 26 0 260 Nose Frag 5 11 Actual MD 579045.13 3751603.07 Rock 6/13/07 3:49 PM 575 90-16-575 7 4 0 130 Frag 2 8 Actual Rock 579033.49 3751603.00 Rock 6/13/07 3:49 PM 576 90-16-575 7 1 4 14 14 0 150 Nose Frag 3 7 Actual Rock 579033.12 375160.61 579033.00 3751601.64 0.002 0.055 6/13/07 3:49 PM 576 90-16-576 -1 9 0 0 Rock 1 3 Actual Rock 57903.12 3751605.61 579033.00 375160.65 0.117 -0.036 6/13/07 3:49 PM 576 90-16-576 -1 9 0 0 -45 270 Baseplate 1 11 Actual MD 579016.06 3751610.49 579016.06 3751610.44 0.002 0.055	6/18/07 1:22 PM	564	90-15-564		169	191	0	0	Soils	16	0	Actual	Soils	579068.03	3751545.96	579068.47	3751545.82	-0.435	0.141
6/19/07 8:38 AM 567 90-15-567 20 3 0 0 Rock 2 2 Actual Rock 579024.50 3751560.09 579024.53 3751560.19 -0.025 -0.098 6/19/07 9:14 AM 568 90-15-568 142 171 0 0 0 Soils 11 0 Actual Soils 579035.56 3751523.28 579035.58 3751523.76 -0.018 -0.484 6/14/07 1:54 PM 569 90-15-569 165 91 0 0 Soils 61 0 Actual Soils 579016.00 3751571.92 579016.08 3751572.26 0.124 -0.342 6/14/07 1:51 PM 570 90-15-570 68 7 80 -90 Frag 6 6 Actual MD 579043.06 3751576.00 579043.25 3751563.52 -0.193 0.254 6/14/07 1:51 PM 571 90-15-571 11 4 40 0 Frag 1 11 Actual MD 579029.84 3751586.45 579029.78 3751586.52 0.064 -0.068 6/13/07 3:44 PM 572 90-16-572 64 7 0 0 Rock 6 4 Actual Rock 579035.35 3751600.67 579035.39 3751601.11 -0.042 -0.435 6/13/07 3:45 PM 574 90-16-574 31 20 0 0 Rock 3 2 Actual Rock 579033.49 3751603.07 Rock 6/13/07 3:49 PM 576 90-16-575 7 4 0 130 Frag 2 8 Actual Rock 579033.49 3751603.62 579044.15 3751603.50 0.028 0.118 6/13/07 3:49 PM 576 90-16-575 7 14 14 0 150 Nose Frag 3 7 Actual Rock 579027.89 3751606.61 579037.30 3751606.65 0.117 -0.036 6/19/07 11:38 AM 578 90-16-578 -1 0 -45 270 Baseplate 1 11 Actual MD 579016.06 3751610.49 579016.06 3751610.44 0.002 0.055	6/18/07 3:22 PM	565	90-15-565		75	105	0	0	Soils	8	0	Actual	Soils	579046.02	3751551.27	579045.68	3751551.32	0.338	-0.048
6/19/07 9:14 AM 568 90-15-568 142 171 0 0 0 Soils 11 0 Actual Soils 579035.56 3751523.28 579035.58 3751523.76 -0.018 -0.484 6/14/07 2:40 PM 569 90-15-569 165 91 0 0 Soils 61 0 Actual Soils 579016.80 3751571.92 579016.68 3751572.26 0.124 -0.342 6/14/07 1:54 PM 570 90-15-570 68 7 80 -90 Frag 6 6 Actual MD 579043.06 3751576.00 579043.25 3751576.35 -0.193 0.254 6/14/07 1:51 PM 571 90-15-571 11 4 40 0 Frag 1 11 Actual MD 579029.84 3751586.45 579029.78 3751586.52 0.064 -0.068 6/13/07 3:44 PM 572 90-16-572 64 7 0 0 0 Rock 6 4 Actual Rock 579035.35 3751600.67 579035.39 3751601.11 -0.042 -0.435 6/13/07 3:45 PM 574 90-16-573 29 26 0 260 Nose Frag 5 11 Actual MD 579045.13 3751603.07 Rock 6/13/07 3:27 PM 575 90-16-574 31 20 0 0 Rock 3 2 Actual Rock 579033.49 3751603.00 Rock 9/13/07 3:49 PM 576 90-16-575 7 4 0 130 Frag 2 8 Actual Rock 579027.69 3751605.30 579027.78 3751605.72 -0.092 -0.422 6/13/07 3:46 PM 577 90-16-577 14 14 14 0 150 Nose Frag 3 7 Actual MD 579016.06 3751610.49 579016.06 3751610.44 0.002 0.055	6/14/07 11:50 AM	566	90-15-566		43	0	80	0	Scrap Metal	1	7	Actual	Cultural	579013.96	3751560.00	579013.64	3751559.97	0.316	0.029
6/14/07 2:40 PM 569 90-15-569 165 91 0 0 Soils 61 0 Actual Soils 579016.80 3751571.92 579016.68 3751572.26 0.124 -0.342 6/14/07 1:54 PM 570 90-15-570 68 7 80 -90 Frag 6 6 Actual MD 579043.06 3751576.00 579043.25 3751576.35 -0.193 0.254 6/14/07 1:51 PM 571 90-15-571 11 4 40 0 Frag 1 11 Actual MD 579029.84 3751586.45 579029.78 3751586.52 0.064 -0.068 6/13/07 3:44 PM 572 90-16-573 29 26 0 260 Nose Frag 5 11 Actual MD 579045.13 3751601.07 3751601.29 -0.043 6/13/07 3:45 PM 574 90-16-574 31 20 0 0 Rock 3 2 Actual Rock 579033.49 S751603.07 Rock 6/13/07 3:27 PM 575 90-16-575 7 4 0 130 Frag 2 8 Actual Rock 579034.18 3751603.62 579044.15 3751605.72 -0.092 -0.422 6/13/07 3:46 PM 577 90-16-576 -1 9 0 0 Rock 1 3 Actual Rock 579033.12 3751606.61 579033.00 3751605.00 3751606.65 0.117 -0.036 6/13/07 3:46 PM 577 90-16-577 14 14 14 0 150 Nose Frag 3 7 Actual MD 579016.06 3751610.49 579016.06 3751610.44 0.002 0.055	6/19/07 8:38 AM	567	90-15-567		20	3	0	0	Rock	2	2	Actual	Rock	579024.50	3751560.09	579024.53	3751560.19	-0.025	-0.098
6/14/07 1:54 PM 570 90-15-570 68 7 80 -90 Frag 6 6 Actual MD 579043.06 3751576.00 579043.25 3751576.35 -0.193 0.254 6/14/07 1:51 PM 571 90-15-571 11 4 40 0 Frag 1 11 Actual MD 579029.84 3751586.45 579029.78 3751586.52 0.064 -0.068 6/13/07 3:44 PM 572 90-16-572 64 7 0 0 0 Rock 6 4 Actual Rock 579035.35 3751600.67 579035.39 3751601.11 -0.042 -0.435 6/13/07 3:31 PM 573 90-16-573 29 26 0 260 Nose Frag 5 11 Actual MD 579045.13 3751601.33 579045.17 3751601.29 -0.043 0.041 6/13/07 3:45 PM 574 90-16-574 31 20 0 0 Rock 3 2 Actual Rock 579033.49 3751603.07 Rock 6/13/07 3:49 PM 575 90-16-575 7 4 0 130 Frag 2 8 Actual Rock 579024.18 3751603.62 579044.15 3751605.00 0.028 0.118 6/13/07 3:49 PM 576 90-16-576 -1 9 0 0 0 Rock 1 3 Actual Rock 579027.69 3751605.30 579027.78 3751605.50 0.028 0.118 6/13/07 3:46 PM 577 90-16-577 14 14 0 150 Nose Frag 3 7 Actual MD 579033.12 3751606.61 579033.00 3751606.65 0.117 -0.036 6/19/07 11:38 AM 578 90-16-578 -1 0 -45 270 Baseplate 1 11 Actual MD 579016.06 3751610.49 579016.06 3751610.44 0.002 0.055	6/19/07 9:14 AM	568	90-15-568		142	171	0	0	Soils	11	0	Actual	Soils	579035.56	3751523.28	579035.58	3751523.76	-0.018	-0.484
6/14/07 1:51 PM 571 90-15-571 11 4 40 0 Frag 1 11 Actual MD 579029.84 3751586.45 579029.78 3751586.52 0.064 -0.068 6/13/07 3:44 PM 572 90-16-572 64 7 0 0 0 Rock 6 4 Actual Rock 579035.35 3751600.67 579035.39 3751601.11 -0.042 -0.435 6/13/07 3:31 PM 573 90-16-573 29 26 0 260 Nose Frag 5 11 Actual MD 579045.13 3751601.33 579045.17 3751601.29 -0.043 0.041 6/13/07 3:45 PM 574 90-16-574 31 20 0 0 Rock 3 2 Actual Rock 579033.49 3751603.07 Rock 6/13/07 3:49 PM 575 90-16-575 7 4 0 130 Frag 2 8 Actual Rock 579034.13 3751603.62 579044.15 3751603.50 0.028 0.118 6/13/07 3:49 PM 576 90-16-576 -1 9 0 0 0 Rock 1 3 Actual Rock 579027.69 3751605.30 579027.78 3751605.50 0.028 6/13/07 3:46 PM 577 90-16-577 14 14 0 150 Nose Frag 3 7 Actual MD 579033.12 3751606.61 579033.00 3751606.65 0.117 -0.036 6/19/07 11:38 AM 578 90-16-578 -1 0 -45 270 Baseplate 1 11 Actual MD 579016.06 3751610.49 579016.06 3751610.44 0.002 0.055	6/14/07 2:40 PM	569	90-15-569		165	91	0	0	Soils	61	0	Actual	Soils	579016.80	3751571.92	579016.68	3751572.26	0.124	-0.342
6/13/07 3:44 PM 572 90-16-572 64 7 0 0 Rock 6 4 Actual Rock 579035.35 3751600.67 579035.39 3751601.11 -0.042 -0.435 6/13/07 3:31 PM 573 90-16-573 29 26 0 260 Nose Frag 5 11 Actual MD 579045.13 3751601.33 579045.17 3751601.29 -0.043 0.041 6/13/07 3:45 PM 574 90-16-574 31 20 0 0 Rock 3 2 Actual Rock 579033.49 3751603.07 Rock 6/13/07 3:27 PM 575 90-16-575 7 4 0 130 Frag 2 8 Actual MD 579044.18 3751603.62 579044.15 3751603.50 0.028 0.118 6/13/07 3:49 PM 576 90-16-576 9-16-576 1 9 0 0 Rock 1 3 Actual Rock 579027.98 3751605.30 579027.78 3751605.50 0.028 6/13/07 3:46 PM 577 90-16-577 14 14 0 150 Nose Frag 3 7 Actual MD 579033.12 3751606.61 579033.00 3751606.65 0.117 -0.036 6/19/07 11:38 AM 578 90-16-578 -1 0 -45 270 Baseplate 1 11 Actual MD 579016.06 3751610.49 579016.06 3751610.44 0.002 0.055	6/14/07 1:54 PM	570	90-15-570		68	7	80	-90	Frag	6	6	Actual	MD	579043.06	3751576.60	579043.25	3751576.35	-0.193	0.254
6/13/07 3:31 PM 573 90-16-573 29 26 0 260 Nose Frag 5 11 Actual MD 579045.13 3751601.33 579045.17 3751601.29 -0.043 0.041   6/13/07 3:45 PM 574 90-16-574 31 20 0 0 Rock 3 2 Actual Rock 579033.49 3751603.07 Rock   6/13/07 3:27 PM 575 90-16-575 7 4 0 130 Frag 2 8 Actual MD 579044.18 3751603.62 579044.15 3751603.50 0.028 0.118   6/13/07 3:49 PM 576 90-16-576 -1 9 0 0 Rock 1 3 Actual Rock 579027.69 3751605.30 579027.78 3751605.72 -0.092 -0.422   6/13/07 3:46 PM 577 90-16-577 14 14 0 150 Nose Frag 3 7 Actual MD 579033.12 3751606.61 579033.00 3751606.65 0.117 -0.036   6/19/07 11:38 AM 578 90-16-578 -1 0 -45 270 Baseplate 1 11 Actual MD 579016.06 3751610.49 579016.06 3751610.44 0.002 0.055	6/14/07 1:51 PM	571	90-15-571		11	4	40	0	Frag	1	11	Actual	MD	579029.84	3751586.45	579029.78	3751586.52	0.064	-0.068
6/13/07 3:45 PM 574 90-16-574 31 20 0 0 Rock 3 2 Actual Rock 579033.49 3751603.07 Rock 6/13/07 3:27 PM 575 90-16-575 7 4 0 130 Frag 2 8 Actual MD 579044.18 3751603.62 579044.15 3751603.50 0.028 0.118 6/13/07 3:49 PM 576 90-16-576 -1 9 0 0 Rock 1 3 Actual Rock 579027.69 3751605.30 579027.78 3751605.72 -0.092 -0.422 6/13/07 3:46 PM 577 90-16-577 14 14 0 150 Nose Frag 3 7 Actual MD 579033.12 3751606.61 579033.00 3751606.65 0.117 -0.036 6/19/07 11:38 AM 578 90-16-578 -1 0 -45 270 Baseplate 1 11 Actual MD 579016.06 3751610.49 579016.06 3751610.44 0.002 0.055	6/13/07 3:44 PM	572	90-16-572		64	7	0	0	Rock	6	4	Actual	Rock	579035.35	3751600.67	579035.39	3751601.11	-0.042	-0.435
6/13/07 3:45 PM 574 90-16-574 31 20 0 0 Rock 3 2 Actual Rock 579033.49 3751603.07 Rock 6/13/07 3:27 PM 575 90-16-575 7 4 0 130 Frag 2 8 Actual MD 579044.18 3751603.62 579044.15 3751603.50 0.028 0.118 6/13/07 3:49 PM 576 90-16-576 -1 9 0 0 Rock 1 3 Actual Rock 579027.69 3751605.30 579027.78 3751605.72 -0.092 -0.422 6/13/07 3:46 PM 577 90-16-577 14 14 0 150 Nose Frag 3 7 Actual MD 579033.12 3751606.61 579033.00 3751606.65 0.117 -0.036 6/19/07 11:38 AM 578 90-16-578 -1 0 -45 270 Baseplate 1 11 Actual MD 579016.06 3751610.49 579016.06 3751610.44 0.002 0.055	6/13/07 3:31 PM	573	90-16-573		29	26	0	260	Nose Frag	5	11	Actual	MD	579045.13	3751601.33	579045.17	3751601.29	-0.043	0.041
6/13/07 3:49 PM 576 90-16-576		574	90-16-574		31	20	0	0	Rock	3	2	Actual	Rock	579033.49	3751603.07	Rock			
6/13/07 3:46 PM 577 90-16-577 14 14 0 150 Nose Frag 3 7 Actual MD 579033.12 3751606.61 579033.00 3751606.65 0.117 -0.036 6/19/07 11:38 AM 578 90-16-578 -1 0 -45 270 Baseplate 1 11 Actual MD 579016.06 3751610.49 579016.06 3751610.44 0.002 0.055	6/13/07 3:27 PM	575	90-16-575		7	4	0	130	Frag	2	8	Actual	MD	579044.18	3751603.62	579044.15	3751603.50	0.028	0.118
6/19/07 11:38 AM 578 90-16-578 -1 0 -45 270 Baseplate 1 11 Actual MD 579016.06 3751610.49 579016.06 3751610.44 0.002 0.055	6/13/07 3:49 PM	576	90-16-576		-1	9	0	0	Rock	1	3	Actual	Rock	579027.69	3751605.30	579027.78	3751605.72	-0.092	-0.422
6/19/07 11:38 AM 578 90-16-578 -1 0 -45 270 Baseplate 1 11 Actual MD 579016.06 3751610.49 579016.06 3751610.44 0.002 0.055	6/13/07 3:46 PM	577	90-16-577		14	14	0	150	Nose Frag	3	7	Actual	MD	579033.12	3751606.61	579033.00	3751606.65	0.117	-0.036
		578	90-16-578		-1	0	-45	270	Baseplate	1	11	Actual	MD	579016.06	3751610.49	579016.06	3751610.44	0.002	0.055
- 0, 10, 0, 10, 10, 10, 10, 10, 10, 10, 1	6/19/07 11:39 AM	579	90-16-579		42	30	-45	90	Seeds	12	45	Actual	Seed Item	579011.82	3751611.37	579011.79	3751611.42	0.031	-0.045

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

													UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
Time o Colombia	Aliaa	Amamah. ID	Mag-N Flag	Predicted	Domth	lu aliu ati au	Aminocusto	l doubification	Predicted	Lawath	Actual/	Dia Tuna	Fastina	Negativis		Manda to a	A.F. adia a	A November
TimeStamp	Alias	Anomaly ID	ID	Depth	Depth	Inclination	Azimuth	Identification	Length	Length	Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	Δ Northing
6/19/07 11:44 AM	580	90-16-580		10	5	0	0	Rock	2	2	Actual	Rock	579013.01	3751615.23	579013.00	3751615.22	0.009	0.011
6/14/07 1:46 PM	581	90-16-581		7	0	180	-45	Baseplate	5	12	Actual	MD	579021.14	3751615.83	579021.13	3751615.84	0.006	-0.009
6/19/07 11:55 AM	582	90-16-582		30	4	0	0	Rock	2	2	Actual	Rock	579024.65	3751615.73	579024.77	3751615.87	-0.121	-0.14
6/14/07 1:42 PM	583	90-16-583		50	4	0	0	Rock	4	2	Actual	Rock	579031.08	3751616.44	579030.84	3751616.59	0.242	-0.147
6/12/07 3:31 PM	584	90-16-584		95	81	90	0	Seeds	13	45	Actual	Seed Item	579038.48	3751619.90	579038.53	3751619.74	-0.045	0.165
6/19/07 11:47 AM	585	90-16-585		2	3	0	0	Rock	1	1	Actual	Rock	579007.96	3751620.92	579007.93	3751620.86	0.028	0.062
6/13/07 3:23 PM	586	90-16-586		19	17	-45	100	Nose Frag	2	8	Actual	MD	579045.09	3751621.07	579045.14	3751621.14	-0.052	-0.068
6/12/07 3:03 PM	587	90-16-587		13	11	-90	110	Frag	3	9	Actual	MD	579020.99	3751621.87	579021.05	3751621.59	-0.06	0.284
6/12/07 3:07 PM	588	90-16-588		6	3	0	140	Frag	3	10	Actual	MD	579012.99	3751622.68	579013.17	3751622.46	-0.179	0.218
6/12/07 3:01 PM	589	90-16-589		13	1	0	0	Rock	2	3	Actual	Rock	579021.73	3751624.10	579021.71	3751624.02	0.021	0.079
6/12/07 3:16 PM	590	90-16-590		41	22	-90	180	Baseplate	7	14	Actual	MD	579010.82	3751624.31	579010.93	3751624.03	-0.105	0.278
6/13/07 3:20 PM	591	90-16-591		14	1	45	240	Nose Frag	3	7	Actual	MD	579039.10	3751625.33	579039.07	3751625.31	0.031	0.021
6/14/07 1:45 PM	592	90-16-592		14	5	0	0	Rock	1	3	Actual	Rock	579025.23	3751626.59	579025.70	3751626.78	-0.467	-0.189
6/14/07 1:44 PM	593	90-16-593		8	1	0	0	Rock	1	2	Actual	Rock	579027.20	3751626.95	579027.15	3751627.13	0.048	-0.179
6/19/07 11:57 AM	594	90-16-594		27	27	0	0	Nose Frag	3	7	Actual	MD	579010.14	3751628.25	579009.72	3751628.17	0.424	0.082
6/19/07 11:53 AM	595	90-16-595		40	7	0	0	Rock	3	2	Actual	Rock	579013.40	3751628.84	579013.29	3751628.60	0.115	0.244
6/12/07 2:59 PM	596	90-16-596		17	1	0	0	Rock	2	2	Actual	Rock	579020.24	3751628.95	579020.36	3751629.01	-0.124	-0.06
6/13/07 3:19 PM	597	90-16-597		6	3	0	170	Frag	3	5	Actual	MD	579044.01	3751629.86	579043.96	3751629.88	0.048	-0.021
6/12/07 3:22 PM	598	90-16-598		-9	0	-90	0	Corner Stake	2	20	Actual	Cultural	579007.04	3751630.00	579007.15	3751629.75	-0.109	0.25
6/13/07 3:16 PM	599	90-16-599		35	0	-90	0	Scrap Metal	3	20	Actual	Cultural	579046.07	3751629.88	579045.95	3751629.88	0.116	0.004
6/13/07 3:53 PM	600	90-16-600		3	3	0	0	Rock	2	2	Actual	Rock	579029.91	3751614.10	579029.72	3751614.23	0.186	-0.131
6/12/07 3:29 PM	601	90-16-601		81	5	0	0	Soils	4	0	Actual	Soils	579032.65	3751619.63	579032.26	3751619.74	0.395	-0.109
6/14/07 1:43 PM	602	90-16-602		84	4	0	0	Rock	7	3	Actual	Rock	579030.90	3751622.71	579030.38	3751622.98	0.523	-0.265
6/25/07 11:17 AM	602	90-16-602		84	5	0	0	Rock	7	2	Actual	Rock	579030.90	3751622.71	579030.38	3751622.98	0.523	-0.265
7/24/07 12:16 PM	603	82-13-603		25	0	-90	0	Corner Stake	2.8	20	Actual	Cultural	578266.05	3751350.02	578266.00	3751350.05	0.048	-0.025
7/23/07 10:01 AM	604	84-13-604		-6.4	1	0	0	Rock	0.9	2	Actual	Rock	578472.68	3751349.88	578472.77	3751349.69	-0.09	0.198
7/23/07 9:58 AM	605	85-13-605		28.5	0	NM	NM	Corner Stake	2.8	20	NM	Cultural	578500.29	3751349.96	578500.00	3751350.06	0.291	-0.106
7/10/07 11:17 AM	606	83-13-606		9.4	0	60	0	Scrap Metal	22	8	Actual	Cultural	578337.85	3751350.45	578337.83	3751350.35	0.023	0.102
7/10/07 2:28 PM	607	83-13-607		53.4	30	0	0	Soils	3.4	0	Actual	Soils	578308.57	3751351.03	578308.46	3751351.13	0.104	-0.095
7/10/07 3:00 PM	608	83-13-608		24.2	40	0	0	Soils	1.7	0	Actual	Soils	578358.46	3751350.76	578358.43	3751350.88	0.033	-0.12
7/10/07 2:44 PM	609	83-13-609		-4.7	4	0	0	Rock	1.1	2	Actual	Rock	578347.84	3751352.73	578347.83	3751352.69	0.005	0.038
7/10/07 10:17 AM	610	83-13-610		5.4	0	0	-90	Baseplate	3.7	12	Actual	MD	578372.94	3751352.40	578372.93	3751352.37	0.011	0.029
7/26/07 10:50 AM	611	82-13-611		59.3	60	90	0	Seeds	8.2	45	Actual	Seed Item	578270.18	3751352.99	578270.11	3751352.90	0.078	0.093
7/10/07 2:41 PM	612	83-13-612		101.7	20	0	0	Rock	5.4	3	Actual	Rock	578345.10	3751353.49	578345.05	3751353.42	0.051	0.07
7/10/07 2:48 PM	613	83-13-613		60	6	0	0	Rock	3.9	2	Actual	Rock	578349.96	3751354.14	578350.11	3751354.10	-0.152	0.038
7/10/07 10:04 AM	614	83-13-614		25.1	15	120	-45	Halfshell	6.8	30	Actual	MD	578395.08	3751354.17	578395.11	3751354.08	-0.024	0.091
7/10/07 9:55 AM	615	84-13-615		45.9	16	180	-45	Halfshell	6.8	30	Actual	MD	578401.34	3751355.14	578401.39	3751355.13	-0.047	0.009
7/23/07 11:17 AM	616	84-13-616		76	106	0	0	Soils	3.6	0	Actual	Soils	578427.58	3751355.72	578427.43	3751356.00	0.151	-0.28
7/24/07 12:17 PM	617	82-13-617		10.9	0	0	320	Halfshell	4.5	20	Actual	MD	578274.74	3751356.69	578274.71	3751356.60	0.028	0.096
7/10/07 10:22 AM	618	83-13-618		73.6	30	80	-90	Halfshell	8	30	Actual	MD	578363.95	3751356.32	578363.92	3751356.40	0.023	-0.083
7/10/07 10:07 AM	619	83-13-619		25	6	0	0	Nose Frag	2.1	6	Actual	MD	578390.11	3751356.65	578390.37	3751356.23	-0.254	0.417
7/26/07 11:02 AM	620	82-13-620		107.3	100	0	180	Seeds	8.8	45	Actual	Seed Item	578293.94	3751357.93	578294.10	3751357.93	-0.153	-0.003
7/23/07 9:59 AM	621	84-13-621		1.1	3	NM	NM	Frag	3.7	20	NM	MD	578493.58	3751358.00	578493.53	3751357.93	0.047	0.065
7/10/07 2:50 PM	622	83-13-622		43.7	30	0	0	Soils	3.4	0	Actual	Soils	578357.25	3751358.87	578357.21	3751357.53	0.047	0.247
7/10/07 9:40 AM	623	84-13-623		16.6	5	180	0	Halfshell	7.9	30	Actual	MD	578406.02	3751359.31	578405.94	3751359.22	0.072	0.089
7710/07 3.40 AW	023	0-10-023	L	10.0		100	U	i iaiisiicii	1.3	30	Actual	שואו	370400.02	0101008.31	570405.94	0101003.22	0.070	0.003

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

TimeStamp	Northing  3751359.40 3751360.04 3751361.17 3751359.97 3751360.65 3751361.30 3751361.30 3751361.90 3751362.05 3751363.47 3751363.78	0.063 0.233 0.142 0.368 0.168 0.061 0.006 0.0069 0.009	3 Δ Northing -0.154 -0.017 -0.298 0.094 0.069 -0.038 -0.139 -0.033 0.11 0.047
TimeStamp	3751359.40 3751360.04 3751361.17 3751359.97 3751360.65 3751360.90 3751362.23 3751361.90 3751362.05 3751363.47 3751363.78	0 0.125 0 0.063 7 0.233 7 0.142 6 0.368 0 0.168 0 0.061 8 0.006 0 0.069 6 -0.03	-0.154 -0.017 -0.298 0.094 0.069 -0.038 -0.139 -0.033 0.11
T/10/07 11:29 AM   624   83-13-624   4.1   10   0   0   0   Frag   1.6   7   Actual   MD   578307.89   3751359.25   578307.77	3751359.40 3751360.04 3751361.17 3751359.97 3751360.65 3751360.90 3751362.23 3751361.90 3751362.05 3751363.47 3751363.78	0 0.125 0 0.063 7 0.233 7 0.142 6 0.368 0 0.168 0 0.061 8 0.006 0 0.069 6 -0.03	-0.154 -0.017 -0.298 0.094 0.069 -0.038 -0.139 -0.033 0.11
T/10/07 9:46 AM   625   84-13-625   60.4   40   170   -90   Halfshell   7.3   30   Actual   MD   578401.56   3751360.02   578401.49	3751360.04 3751361.17 3751359.97 3751360.65 3751360.90 3751362.23 3751361.90 3751362.05 3751363.47 3751363.78	0.063 0.233 0.142 0.368 0.168 0.061 0.006 0.0069 0.009	-0.017 -0.298 0.094 0.069 -0.038 -0.139 -0.033 0.11
Tol.	3751361.17 3751359.97 3751360.65 3751360.90 3751362.23 3751361.90 3751362.05 3751363.47 3751363.47	7 0.233 7 0.142 6 0.368 9 0.168 9 0.061 8 0.006 9 0.069 6 -0.03	-0.298 0.094 0.069 -0.038 -0.139 -0.033 0.11
7/10/07 2:57 PM         627         83-13-627         56.5         15         0         0         Soils         3.4         0         Actual         Soils         578374.87         3751360.06         578374.73           7/23/07 11:15 AM         628         84-13-628         77.6         30         -90         0         Seeds         10.9         45         Approximate         Seed Item         578443.40         3751360.72         578443.03           7/26/07 10:58 AM         629         82-13-629         62.8         35         -90         240         Seeds         9.1         30         Actual         Seed Item         578283.71         3751360.86         578283.54           7/10/07 11:25 AM         630         83-13-630         52.8         6         290         0         Frag         2.9         10         Actual         MD         578318.77         3751361.86         578228.00           7/10/07 10:39 AM         631         83-13-631         4.2         5         0         0         Nose Frag         1.8         7         Actual         MD         578328.00         3751362.20         578328.00           7/10/07 9:37 AM         633         84-13-632         33.7         12         120	3751359.97 3751360.65 3751360.90 3751361.30 3751362.23 3751361.90 3751362.05 3751363.47 3751363.78	7 0.142 6 0.368 0 0.168 0 0.061 8 0.006 0 0.069 6 -0.03	0.094 0.069 -0.038 -0.139 -0.033 0.11
7/23/07 11:15 AM         628         84-13-628         77.6         30         -90         0         Seeds         10.9         45         Approximate         Seed Item         578443.40         3751360.72         5784443.03           7/26/07 10:58 AM         629         82-13-629         62.8         35         -90         240         Seeds         9.1         30         Actual         Seed Item         578283.71         3751360.86         578283.54           7/10/07 11:25 AM         630         83-13-630         52.8         6         290         0         Frag         2.9         10         Actual         MD         578318.77         3751361.16         578328.00           7/10/07 10:39 AM         631         83-13-631         4.2         5         0         0         Nose Frag         1.8         7         Actual         MD         578408.73         3751362.20         578328.00           7/10/07 9:37 AM         632         84-13-632         33.7         12         120         -90         Frag         2.3         13         Actual         MD         578440.873         3751362.10         578415.32           7/10/07 9:37 AM         633         84-13-633         25.2         15         270	3751360.65 3751360.90 3751361.30 3751362.23 3751361.90 3751362.05 3751363.47 3751363.78	0.368 0.168 0.061 0.006 0.006 0.069 0.003	0.069 -0.038 -0.139 -0.033 0.11
7/26/07 10:58 AM         629         82-13-629         62.8         35         -90         240         Seeds         9.1         30         Actual         Seed Item         578283.71         3751360.86         578283.54           7/10/07 11:25 AM         630         83-13-630         52.8         6         290         0         Frag         2.9         10         Actual         MD         578318.77         3751361.16         578318.71           7/10/07 10:39 AM         631         83-13-631         4.2         5         0         0         Nose Frag         1.8         7         Actual         MD         578328.00         3751362.20         578328.00           7/10/07 9:37 AM         632         84-13-632         33.7         12         120         -90         Frag         2.3         13         Actual         MD         578408.73         3751362.01         578408.66           7/10/07 9:37 AM         633         84-13-633         25.2         15         270         0         Seeds         8.4         45         Actual         MD         578408.73         3751362.01         578415.42           7/24/07 12:20 PM         634         82-13-634         69         25         -90         0	3751360.90 3751361.30 3751362.23 3751361.90 3751362.05 3751363.47 3751363.78	0.168 0.061 0.006 0.006 0.0069 0.003	-0.038 -0.139 -0.033 0.11
7/10/07 11:25 AM         630         83-13-630         52.8         6         290         0         Frag         2.9         10         Actual         MD         578318.77         3751361.16         578318.71           7/10/07 10:39 AM         631         83-13-631         4.2         5         0         0         Nose Frag         1.8         7         Actual         MD         578328.00         3751362.20         578328.00           7/10/07 9:42 AM         632         84-13-632         33.7         12         120         -90         Frag         2.3         13         Actual         MD         578408.73         3751362.01         578408.66           7/10/07 9:37 AM         633         84-13-633         25.2         15         270         0         Seeds         8.4         45         Actual         Seed Item         578415.39         3751362.10         578415.42           7/24/07 12:20 PM         634         82-13-633         69         25         -90         0         Scrap Metal         9.9         15         Actual         Seed Item         578415.39         3751362.10         578415.42           7/10/07 10:32 AM         635         83-13-633         69         25         -90         0	3751361.30 3751362.23 3751361.90 3751362.05 3751363.47 3751363.78	0.061 0.006 0.069 6 -0.03	-0.139 -0.033 0.11
7/10/07 10:39 AM         631         83-13-631         4.2         5         0         0         Nose Frag         1.8         7         Actual         MD         578328.00         3751362.20         578328.00           7/10/07 9:42 AM         632         84-13-632         33.7         12         120         -90         Frag         2.3         13         Actual         MD         578408.73         3751362.01         578408.66           7/10/07 9:37 AM         633         84-13-633         25.2         15         270         0         Seeds         8.4         45         Actual         Seed Item         578415.39         3751362.10         578415.42           7/24/07 12:20 PM         634         82-13-634         69         25         -90         0         Scrap Metal         9.9         15         Actual         Seed Item         578274.81         3751363.50         578274.73           7/10/07 10:32 AM         635         83-13-635         17         4         90         0         Frag         3.3         14         Actual         MD         578341.56         3751363.50         578274.73           7/10/07 10:11 AM         636         83-13-636         63.6         60         0         90 </td <td>3751362.23 3751361.90 3751362.05 3751363.47 3751363.78</td> <td>0.006 0.069 0 -0.03</td> <td>-0.033 0.11</td>	3751362.23 3751361.90 3751362.05 3751363.47 3751363.78	0.006 0.069 0 -0.03	-0.033 0.11
7/10/07 9:42 AM         632         84-13-632         33.7         12         120         -90         Frag         2.3         13         Actual         MD         578408.73         3751362.01         578408.66           7/10/07 9:37 AM         633         84-13-633         25.2         15         270         0         Seeds         8.4         45         Actual         Seed Item         578415.39         3751362.10         578415.42           7/24/07 12:20 PM         634         82-13-634         69         25         -90         0         Scrap Metal         9.9         15         Actual         Cultural         578274.81         3751363.50         578274.73           7/10/07 10:32 AM         635         83-13-635         17         4         90         0         Frag         3.3         14         Actual         MD         578341.56         3751363.97         578341.45           7/10/07 10:11 AM         636         83-13-636         63.6         60         0         90         Seeds         8.3         45         Actual         Seed Item         578380.52         3751364.03         578380.38           7/23/07 10:03 AM         637         84-13-637         20.8         10         0 <t< td=""><td>3751361.90 3751362.05 3751363.47 3751363.78</td><td>0.069</td><td>0.11</td></t<>	3751361.90 3751362.05 3751363.47 3751363.78	0.069	0.11
7/10/07 9:37 AM         633         84-13-633         25.2         15         270         0         Seeds         8.4         45         Actual         Seed Item         578415.39         3751362.10         578415.42           7/24/07 12:20 PM         634         82-13-634         69         25         -90         0         Scrap Metal         9.9         15         Actual         Cultural         578274.81         3751363.50         578274.73           7/10/07 10:32 AM         635         83-13-635         17         4         90         0         Frag         3.3         14         Actual         MD         578341.56         3751363.97         578341.45           7/10/07 10:11 AM         636         83-13-636         63.6         60         0         90         Seeds         8.3         45         Actual         Seed Item         578380.52         3751364.03         578380.38           7/23/07 10:03 AM         637         84-13-637         20.8         10         0         120         Frag         2         11         Actual         MD         578473.51         3751364.03         578380.38           7/26/07 10:47 AM         638         82-13-638         69         60         -90         0	3751362.05 3751363.47 3751363.78	-0.03	_
7/24/07 12:20 PM         634         82-13-634         69         25         -90         0         Scrap Metal         9.9         15         Actual         Cultural         578274.81         3751363.50         578274.73           7/10/07 10:32 AM         635         83-13-635         17         4         90         0         Frag         3.3         14         Actual         MD         578341.56         3751363.97         578341.45           7/10/07 10:11 AM         636         83-13-636         63.6         60         0         90         Seeds         8.3         45         Actual         Seed Item         578380.52         3751364.03         578380.38           7/23/07 10:03 AM         637         84-13-637         20.8         10         0         120         Frag         2         11         Actual         MD         578473.51         3751364.03         578380.38           7/26/07 10:47 AM         638         82-13-638         69         60         -90         0         Seeds         9.9         45         Actual         Seed Item         578272.09         3751365.26         578272.09           7/10/07 11:31 AM         639         83-13-639         32.8         6         80         0<	3751363.47 3751363.78		
7/10/07 10:32 AM         635         83-13-635         17         4         90         0         Frag         3.3         14         Actual         MD         578341.56         3751363.97         578341.45           7/10/07 10:11 AM         636         83-13-636         63.6         60         0         90         Seeds         8.3         45         Actual         Seed Item         578380.52         3751364.03         578380.38           7/23/07 10:03 AM         637         84-13-637         20.8         10         0         120         Frag         2         11         Actual         MD         578473.51         3751364.88         578473.55           7/26/07 10:47 AM         638         82-13-638         69         60         -90         0         Seeds         9.9         45         Actual         Seed Item         578272.03         3751365.26         578272.09           7/10/07 11:31 AM         639         83-13-639         32.8         6         80         0         Scrap Metal         2         8         Actual         Cultural         578309.41         3751365.39         578309.53           6/26/07 2:26 PM         640         82-13-640         26.6         0         -90         0 <td>3751363.78</td> <td></td> <td>0.047</td>	3751363.78		0.047
7/10/07 10:11 AM         636         83-13-636         63.6         60         0         90         Seeds         8.3         45         Actual         Seed Item         578380.52         3751364.03         578380.38           7/23/07 10:03 AM         637         84-13-637         20.8         10         0         120         Frag         2         11         Actual         MD         578473.51         3751364.88         578473.55           7/26/07 10:47 AM         638         82-13-638         69         60         -90         0         Seeds         9.9         45         Actual         Seed Item         578272.03         3751365.26         578272.09           7/10/07 11:31 AM         639         83-13-639         32.8         6         80         0         Scrap Metal         2         8         Actual         Cultural         578309.41         3751365.29         578309.53           6/26/07 2:26 PM         640         82-13-640         26.6         0         -90         0         Scrap Metal         3.1         20         Actual         Cultural         578362.31         578356.63         578350.05           7/10/07 11:34 AM         641         83-13-641         19.2         5         60			0.03
7/23/07 10:03 AM         637         84-13-637         20.8         10         0         120         Frag         2         11         Actual         MD         578473.51         3751364.88         578473.55           7/26/07 10:47 AM         638         82-13-638         69         60         -90         0         Seeds         9.9         45         Actual         Seed Item         578272.03         3751365.26         578272.09           7/10/07 11:31 AM         639         83-13-639         32.8         6         80         0         Scrap Metal         2         8         Actual         Cultural         578309.41         3751365.39         578309.53           6/26/07 2:26 PM         640         82-13-640         26.6         0         -90         0         Scrap Metal         3.1         20         Actual         Cultural         578250.11         3751366.23         578250.05           7/10/07 11:34 AM         641         83-13-641         19.2         5         60         0         Frag         2         7         Approximate         MD         578303.18         3751366.66         578303.13           7/10/07 11:21 AM         642         83-13-642         6.7         3         0 <td< td=""><td></td><td></td><td>0.191</td></td<>			0.191
7/26/07 10:47 AM         638         82-13-638         69         60         -90         0         Seeds         9.9         45         Actual         Seed Item         578272.03         3751365.26         578272.09           7/10/07 11:31 AM         639         83-13-639         32.8         6         80         0         Scrap Metal         2         8         Actual         Cultural         578309.41         3751365.39         578309.53           6/26/07 2:26 PM         640         82-13-640         26.6         0         -90         0         Scrap Metal         3.1         20         Actual         Cultural         578250.11         3751366.23         578250.05           7/10/07 11:34 AM         641         83-13-641         19.2         5         60         0         Frag         2         7         Approximate         MD         578303.18         3751365.66         578303.13           7/10/07 11:21 AM         642         83-13-642         6.7         3         0         0         Rock         1.6         3         Actual         Rock         578354.64         3751366.87         578354.41	3751363.99	_	-0.006
7/10/07 11:31 AM         639         83-13-639         32.8         6         80         0         Scrap Metal         2         8         Actual         Cultural         578309.41         3751365.39         578309.53           6/26/07 2:26 PM         640         82-13-640         26.6         0         -90         0         Scrap Metal         3.1         20         Actual         Cultural         578250.11         3751366.23         578250.05           7/10/07 11:34 AM         641         83-13-641         19.2         5         60         0         Frag         2         7         Approximate         MD         578303.18         3751365.66         578303.13           7/10/07 11:21 AM         642         83-13-642         6.7         3         0         0         Rock         1.6         3         Actual         Rock         578354.64         3751366.87         578354.41	3751364.88 3751365.34	_	-0.008
6/26/07 2:26 PM 640 82-13-640 26.6 0 -90 0 Scrap Metal 3.1 20 Actual Cultural 578250.11 3751366.23 578250.05 7/10/07 11:34 AM 641 83-13-641 19.2 5 60 0 Frag 2 7 Approximate MD 578303.18 3751365.66 578303.13 7/10/07 11:21 AM 642 83-13-642 6.7 3 0 0 Rock 1.6 3 Actual Rock 578354.64 3751366.87 578354.41	3751365.42		-0.083
7/10/07 11:34 AM 641 83-13-641 19.2 5 60 0 Frag 2 7 Approximate MD 578303.18 3751365.66 578303.13 7/10/07 11:21 AM 642 83-13-642 6.7 3 0 0 Rock 1.6 3 Actual Rock 578354.64 3751366.87 578354.41	3751365.42		0.186
7/10/07 11:21 AM 642 83-13-642 6.7 3 0 0 Rock 1.6 3 Actual Rock 578354.64 3751366.87 578354.41	3751365.04	_	0.166
	3751365.51	_	0.131
8/1/07 10:44 AM   643   82-13-643     114.7   110   90   0   Seeds   8.3   45   Actual   Seed Item   578257.00   3751368.17   578257.00	3751360.09	_	0.18
8/1/07 10:44 AM 643 82-13-643 114.7 110 90 0 Seeds 8.3 45 Actual Seed Item 578257.00 3751368.17 578257.00 8/1/07 11:01 AM 644 82-13-644 33.3 63 0 0 Soils 1.8 0 Actual Soils 578261.69 3751369.13 578261.86	3751367.90		-0.62
7/10/07 10:14 AM 645 83-13-645 69.2 2 0 0 Rock 2.8 2 Actual Rock 578379.17 3751369.33 578378.97	3751369.75	_	0.162
7/23/07 10:27 AM 646 84-13-646 14.5 1 0 90 Horseshoe 2.4 14 Actual Cultural 578466.90 3751368.76 578466.75	3751368.54	_	0.102
7/23/07 11:09 AM 647 84-13-647 69.9 30 45 270 Seeds 10.1 45 Approximate Seed Item 578445.14 3751369.50 578445.02	3751369.33	_	0.214
7/23/07 11:07 AM 648 84-13-648 38.5 30 -45 350 Seeds 9.3 45 Approximate Seed Item 578464.30 3751369.34 578464.46	3751369.20		0.148
7/23/07 11:02 AM 649 84-13-649 54.7 40 -90 0 Seeds 8.6 45 Actual Seed Item 578475.18 3751369.62 578475.31	3751369.59		0.028
7/10/07 11:33 AM 650 83-13-650 51.4 5 0 0 Rock 2.8 3 Actual Rock 578304.47 3751369.66 578304.37	3751369.82		-0.161
7/24/07 12:22 PM 651 82-13-651 23 15 0 270 Scrap Metal 1.5 12 Actual Cultural 578277.94 3751370.29 578277.61	3751370.23		0.059
7/23/07 10:30 AM 652 84-13-652 9.7 12 0 0 Nose Frag 2 7 Actual MD 578459.18 3751370.86 578459.17	3751370.25	_	-0.003
7/10/07 2:24 PM 653 83-13-653 67.7 10 0 0 Rock 3.8 4 Actual Rock 578310.02 3751371.08 578309.95	3751370.00	_	-0.255
7/12/07 9:56 AM 654 83-13-654 16.1 7 0 230 Frag 2.5 17 Actual MD 578340.07 3751370.78 578339.96	3751370.82		-0.046
7/23/07 10:26 AM   655   84-13-655   -12.5   5   0   330   Scrap Metal   1   10   Actual   Cultural   578469.88   3751371.30   578469.89   578469.88   3751371.30   578469.89   3751371.30   378469.89   3751371.30   378469.89   3751371.30   378469.89   3751371.30   378469.89   3751371.30   378469.89   3751371.30   378469.89   3751371.30   378469.89   3751371.30   378469.89   3751371.30   378469.89   378469.89   378469.89   378469.89   378469.89   378469.89   378469.89   378469.89   378469.89   378469.89   378469.89   378469.89   378469.89   378469.89   378469.89   378469.89   378469.89   378	3751371.19		0.105
7/23/07 11:21 AM   656   84-13-656   38.3   12   0   270   Seeds   8.6   45   Actual   Seed Item   578426.27   3751371.87   578426.21	3751371.55		0.315
7/23/07 10:33 AM 657 84-13-657 47.7 15 0 0 Nose Frag 2.6 7 Actual MD 578452.25 3751372.74 578452.33	3751372.73		0.005
7/16/07 3:02 PM 658 83-13-658 34 1 0 0 Rock 1.7 2 Actual Rock 578392.33 3751372.60 578391.45	3751372.68	_	-0.081
7/12/07 11:41 AM 659 83-13-659 42.2 5 0 110 Halfshell 6.4 30 Actual MD 578396.23 3751373.11 578396.11	3751373.00	_	0.109
6/26/07 3:07 PM 660 82-13-660 43 89 0 0 Soils 2.7 0 Actual Soils 578255.67 3751374.18 578255.91	3751374.66		-0.481
7/10/07 11:52 AM 661 82-13-661 64.6 60 0 90 Seeds 8.8 45 Actual Seed Item 578285.10 3751374.11 578284.98	3751374.30		-0.193
7/12/07 11:40 AM 662 83-13-662 11.5 15 0 60 Halfshell 6.9 30 Actual MD 578398.23 3751373.66 578398.31	3751373.49	_	0.176
7/23/07 10:06 AM 663 84-13-663 148.3 3 0 0 Rock 6 2 Actual Rock 578491.78 3751373.51 578491.44	3751373.45	_	0.066
8/1/07 11:05 AM 664 82-13-664 57.8 87 0 0 Soils 3.3 0 Actual Soils 578258.69 3751374.35 578258.50	3751374.25	_	0.10
7/16/07 2:58 PM 665 83-13-665 55.1 5 0 0 Rock 3.5 2 Actual Rock 578384.19 3751374.26 578384.34	3751374.21		0.052
7/16/07 3:01 PM 666 83-13-666 44 2 0 0 Rock 3.1 2 Actual Rock 578388.88 3751374.67 578388.86	3751374.62		0.049
7/23/07 10:24 AM 667 84-13-667 7.1 4 0 40 Frag 1.7 10 Actual MD 578470.55 3751374.58 578470.56	3751374.44	_	0.138
7/16/07 3:02 PM 668 83-13-668 -8.6 1 0 0 Rock 1.2 2 Actual Rock 578393.90 3751375.14 578393.00	3751374.84	_	0.309

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

										•			UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
			Mag-N Flag	Predicted					Predicted		Actual/							
TimeStamp	Alias	Anomaly ID	ID	Depth	Depth	Inclination	Azimuth	Identification	Length	Length	Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	△ Northing
7/23/07 10:28 AM	669	84-13-669		38.7	3	0	310	Scrap Metal	3	10	Actual	Cultural	578466.40	3751375.46	578466.40	3751375.35	-0.007	0.111
7/23/07 10:29 AM	670	84-13-670		10.8	12	0	340	Bolt	1.5	8	Actual	Cultural	578461.23	3751376.02	578461.18	3751375.90	0.049	0.123
7/26/07 10:37 AM	671	82-13-671		76	106	0	0	Soils	4.5	0	Actual	Soils	578258.43	3751377.06	578258.51	3751376.93	-0.082	0.126
7/23/07 10:23 AM	672	84-13-672		17.2	5	0	350	Frag	2.5	15	Actual	MD	578470.25	3751376.65	578470.30	3751376.65	-0.041	-0.001
7/23/07 10:20 AM	673	84-13-673		33.5	25	-45	190	Baseplate	4.1	12	Actual	MD	578472.28	3751376.71	578472.35	3751376.73	-0.07	-0.017
6/26/07 3:06 PM	674	82-13-674		27.6	76	0	0	Soils	2.3	0	Actual	Soils	578260.57	3751376.72	578260.63	3751376.60	-0.052	0.126
7/10/07 11:54 AM	675	83-13-675		45.2	30	180	-90	Halfshell	4.4	45	Actual	MD	578300.18	3751377.68	578300.22	3751377.59	-0.039	0.081
7/12/07 11:40 AM	676	83-13-676		-11.1	4	0	0	Rock	1.1	2	Actual	Rock	578395.16	3751377.74	578395.17	3751377.36	-0.003	0.386
7/26/07 10:34 AM	677	82-13-677		16.7	47	0	0	Soils	2	0	Actual	Soils	578250.60	3751378.13	578250.59	3751378.13	0.007	-0.001
7/26/07 11:09 AM	678	82-13-678		99	90	-90	0	Seeds	9.1	45	Actual	Seed Item	578292.55	3751378.63	578292.82	3751378.58	-0.269	0.041
7/16/07 2:55 PM	679	83-13-679		57.4	40	0	270	Seeds	8.6	45	Approximate	Seed Item	578375.63	3751378.15	578375.60	3751377.93	0.027	0.225
7/23/07 10:36 AM	680	84-13-680		-10.4	3	0	20	Frag	0.9	7	Actual	MD	578427.58	3751378.39	578427.33	3751378.63	0.252	-0.248
7/24/07 12:12 PM	681	82-13-681		39.5	2	0	0	Rock	2.8	3	Actual	Rock	578253.05	3751379.08	578253.08	3751379.28	-0.033	-0.208
7/24/07 12:24 PM	682	82-13-682		31.4	30	90	0	Seeds	7.9	45	Actual	Seed Item	578275.64	3751378.83	578275.58	3751378.80	0.056	0.031
7/10/07 10:40 AM	683	83-13-683		24.8	7	180	-45	Baseplate	4.3	14	Actual	MD	578311.93	3751378.84	578311.81	3751378.74	0.12	0.101
7/23/07 10:59 AM	684	84-13-684		72.2	30	-90	0	Seeds	9.3	45	Approximate	Seed Item	578484.77	3751379.46	578484.66	3751379.49	0.103	-0.031
6/26/07 2:29 PM	685	82-13-685		7.6	3	0	90	Frag	1.7	6	Actual	MD	578262.02	3751379.92	578262.04	3751379.83	-0.026	0.091
7/10/07 11:59 AM	686	83-13-686		48.6	10	0	0	Nose Frag	2.6	7	Actual	MD	578314.27	3751380.11	578314.45	3751380.10	-0.18	0.012
7/10/07 10:42 AM	687	83-13-687		66.3	60	0	90	Seeds	9	45	Actual	Seed Item	578304.11	3751380.90	578304.09	3751380.95	0.016	-0.054
7/23/07 10:52 AM	688	84-13-688		61.1	91	0	0	Soils	4	0	Actual	Soils	578495.64	3751380.56	578495.31	3751380.47	0.331	0.091
7/12/07 2:07 PM	689	83-13-689		86.6	60	90	0	Seeds	9.6	45	Actual	Seed Item	578361.95	3751381.34	578361.78	3751381.27	0.162	0.069
7/12/07 11:17 AM	690	84-13-690		51.7	40	0	90	Seeds	8.4	45	Actual	Seed Item	578408.86	3751382.20	578408.88	3751382.11	-0.019	0.09
7/23/07 11:24 AM	691	84-13-691		87.4	60	90	0	Seeds	9.3	45	Approximate	Seed Item	578437.92	3751382.25	578437.59	3751382.11	0.333	0.144
7/23/07 10:08 AM	692	84-13-692		35.3	15	0	0	Rock	2.7	2	Actual	Rock	578498.66	3751381.93	578498.49	3751381.91	0.166	0.024
7/24/07 12:39 PM	693	82-13-693		6.1	0	-90	0	Survey Point	2	90	Actual	Cultural	578296.33	3751383.11	578296.37	3751382.90	-0.033	0.213
7/16/07 2:45 PM	694	83-13-694		51	40	-90	320	Halfshell	7.3	30	Actual	MD	578384.11	3751383.90	578384.03	3751383.59	0.081	0.314
7/12/07 11:22 AM	695	83-13-695		52	0	0	0	Rock	3.4	3	Actual	Rock	578397.98	3751383.20	578398.02	3751383.46	-0.046	-0.258
7/12/07 11:34 AM	696	84-13-696		27.8	10	0	150	Scrap Metal	1.6	12	Actual	Cultural	578400.29	3751383.60	578400.25	3751383.41	0.042	0.187
7/23/07 10:12 AM	697	84-13-697		46.3	0	0	0	Rock	2.6	3	Actual	Rock	578496.65	3751383.15	578496.48	3751383.09	0.175	0.062
7/24/07 12:26 PM	698	82-13-698		55.4	7	0	80	Wire	3.4	25	Actual	Cultural	578264.20	3751383.27	578264.27	3751383.88	-0.072	-0.603
7/12/07 9:52 AM	699	83-13-699		27.8	25	0	50	Scrap Metal	2.9	13	Actual	Cultural	578340.61	3751383.57	578340.72	3751383.34	-0.111	0.226
7/23/07 10:14 AM	700	84-13-700		12.9	6	0	180	Horseshoe	1.9	14	Actual	Cultural	578483.07	3751384.03	578483.04	3751383.93	0.027	0.094
7/10/07 2:15 PM	701	83-13-701		38.4	10	0	0	Rock	2.8	4	Actual	Rock	578305.03	3751384.48	578304.63	3751384.44	0.402	0.048
7/26/07 10:27 AM	702	82-13-702		47.9	77	0	0	Soils	3.2	0	Actual	Soils	578259.81	3751385.25	578260.20	3751385.35	-0.387	-0.103
7/26/07 10:30 AM	703	82-13-703		47.2	77	0	0	Soils	3	0	Actual	Soils	578269.65	3751384.54	578269.80	3751384.51	-0.147	0.032
7/12/07 11:44 AM	704	83-13-704		0.1	0	-45	300	Baseplate	3.2	12	Actual	MD	578392.56	3751385.54	578392.54	3751385.40	0.019	0.135
7/23/07 10:17 AM	705	84-13-705		16	2	0	0	Nose Frag	2.4	7	Actual	MD	578471.68	3751385.39	578471.65	3751385.38	0.034	0.004
6/26/07 3:01 PM	706	82-13-706		56.9	30	90	0	Seeds	9.1	45	Actual	Seed Item	578256.76	3751386.09	578256.68	3751386.07	0.08	0.019
7/17/07 8:55 AM	707	84-13-707		22.5	52	0	0	Soils	1.4	0	Actual	Soils	578406.29	3751386.73	578406.35	3751386.46	-0.057	0.274
7/24/07 12:40 PM	708	82-13-708		26.4	30	0	100	Halfshell	6.8	30	Actual	MD	578297.32	3751388.17	578297.36	3751388.01	-0.044	0.166
7/10/07 11:14 AM	709	83-13-709		11.5	3	190	0	Scrap Metal	2.7	12	Actual	Cultural	578329.20	3751387.40	578329.19	3751387.43	0.0145	-0.034
7/17/07 8:52 AM	710	83-13-710		0.7	37	0	0	Soils	1.3	0	Actual	Soils	578391.87	3751388.53	578391.64	3751388.44	0.226	0.09
7/23/07 10:18 AM	711	84-13-711		2.9	1	0	160	Scrap Metal	3.6	30	Actual	Cultural	578476.70	3751388.99	578476.71	3751388.91	-0.005	0.083
7/12/07 2:00 PM	712	83-13-712		45.9	76	0	0	Soils	2.6	0	Actual	Soils	578348.69	3751389.62	578348.64	3751389.36	0.055	0.263
7/19/07 9:33 AM	713	84-13-713		38	15	0	350	Seeds	9.7	45	Actual	Seed Item	578447.46		578447.41	3751389.55	0.057	0.057
						-												

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

													UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
Time Cterre	Alian	Amamah. ID	Mag-N Flag	Predicted	Domth	lu aliu ati au	Aminocusto	l don diffication	Predicted	Lamenth	Actual/	Dia Toma	F	Negativis		No oth to o	A.F. adda a	A November
TimeStamp	Alias	Anomaly ID	ID	Depth	Depth	Inclination	Azimuth	Identification	Length	Length	Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	Δ Northing
7/24/07 12:35 PM	714	82-13-714		15	21	-90	0	Scrap Metal	1.5	8	Actual	Cultural	578267.66	3751389.82	578267.73	3751390.13	-0.064	-0.307
7/24/07 12:41 PM	715	82-13-715		39.1	8	0	0	Rock	2.8	1	Actual	Rock	578287.25	3751389.85	578287.65	3751390.39	-0.407	-0.549
7/16/07 2:42 PM	716	83-13-716		85	115	0	0	Soils	3.4	0	Actual	Soils	578386.53	3751391.42	578386.87	3751391.47	-0.346	-0.043
7/12/07 2:11 PM	717	83-13-717		25	30	0	0	Nose Frag	2.2	7	Actual	MD	578368.02	3751391.67	578367.73	3751390.85	0.292	0.819
7/16/07 2:48 PM	718	83-13-718		24.5	54	0	0	Soils	1.5	0	Actual	Soils	578379.35	3751391.83	578379.15	3751391.64	0.196	0.194
7/24/07 10:27 AM	719	84-13-719		105.8	110	0	90	Seeds	8.7	45	Approximate	Seed Item	578424.74	3751391.76	578424.29	3751391.61	0.457	0.147
7/16/07 2:46 PM	720	83-13-720		48.3	78	0	0	Soils	2.4	0	Actual	Soils	578380.72	3751393.36	578381.11	3751393.29	-0.393	0.079
7/26/07 9:32 AM	721	82-13-721		-8.1	NA	0	0	Soils	0.9	NA	Actual	Soils	578264.69	3751393.29	578264.06	3751392.52	0.629	0.768
7/12/07 12:08 PM	722	83-13-722		51.6	8	0	140	Halfshell	8.7	30	Actual	MD	578366.59	3751394.30	578366.38	3751394.74	0.218	-0.444
6/26/07 2:55 PM	723	82-13-723		31.2	93	0	0	Soils	1.6	0	Actual	Soils	578251.71	3751394.89	578251.19	3751395.02	0.518	-0.137
7/12/07 11:11 AM	724	84-13-724		42.4	40	45	270	Seeds	7.8	45	Actual	Seed Item	578408.26	3751394.35	578407.99	3751394.44	0.266	-0.092
7/11/07 11:42 AM	725	83-14-725		-9.9	4	0	0	Frag	1	5	Actual	MD	578305.84	3751395.32	578306.10	3751395.23	-0.266	0.094
7/11/07 11:46 AM	726	83-14-726		43.9	0	0	0	Rock	3	2	Actual	Rock	578320.09	3751395.28	578319.82	3751395.15	0.263	0.123
7/19/07 9:37 AM	727	84-13-727		4.3	1	0	0	Scrap Metal	1.6	30	Actual	Cultural	578441.37	3751395.22	578441.39	3751395.17	-0.021	0.05
7/16/07 2:41 PM	728	83-13-728		9.1	39	0	0	Soils	1.5	0	Actual	Soils	578388.89	3751395.63	578389.22	3751395.46	-0.337	0.176
7/11/07 11:48 AM	729	83-14-729		18.6	5	0	0	Rock	2	8	Actual	Rock	578322.82	3751396.28	578322.75	3751396.01	0.065	0.266
7/12/07 11:51 AM	730	83-13-730		8.6	0	-45	300	Baseplate	3.7	12	Actual	MD	578377.56	3751395.99	578377.56	3751395.90	0.007	0.097
7/16/07 2:38 PM	731	83-13-731		35.7	65	0	0	Soils	1.9	0	Actual	Rock	578391.88	3751396.27	578391.65	3751396.24	0.229	0.027
6/26/07 2:21 PM	732	82-13-732		24.4	5	0	0	Frag	1.6	9	Actual	MD	578253.70	3751396.40	578253.48	3751396.45	0.221	-0.051
7/24/07 12:43 PM	733	82-13-733		15	20	0	310	Halfshell	6.1	30	Actual	MD	578281.62	3751396.71	578281.64	3751396.60	-0.017	0.104
7/19/07 8:53 AM	734	84-13-734		5.1	15	0	20	Scrap Metal	1.6	16	Actual	Cultural	578487.85	3751396.82	578487.78	3751396.83	0.07	-0.013
7/24/07 12:30 PM	735	82-13-735		79.3	5	0	60	Scrap Metal	3.5	12	Actual	Cultural	578250.20	3751397.95	578250.44	3751397.85	-0.237	0.098
6/26/07 2:16 PM	736	82-13-736		96.2	20	0	120	Scrap Metal	3.6	14	Actual	Cultural	578256.22	3751398.04	578256.40	3751397.94	-0.181	0.107
7/12/07 1:58 PM	737	83-13-737		48.6	78	0	0	Soils	2.7	0	Actual	Soils	578347.36	3751397.89	578347.46	3751397.68	-0.1	0.216
7/23/07 12:51 PM	738	84-13-738		58.6	60	90	0	Seeds	8.3	45	Actual	Seed Item	578451.47	3751397.50	578451.77	3751397.55	-0.293	-0.046
7/12/07 12:09 PM	739	83-13-739		9.4	2	0	120	Frag	1.9	7	Actual	MD	578363.39	3751398.19	578363.54	3751397.88	-0.152	0.312
7/11/07 11:43 AM	740	83-14-740		18.8	8	0	80	Scrap Metal	2.1	12	Actual	Cultural	578312.64	3751398.42	578312.55	3751398.38	0.093	0.046
7/12/07 11:46 AM	741	83-13-741		29.5	5	-45	270	Halfshell	7.4	30	Actual	MD	578399.78	3751398.72	578399.63	3751398.60	0.149	0.125
7/19/07 9:00 AM	742	8413-742		55.5	3	0	0	Rock	2.6	1	Actual	Rock	578479.72	3751398.21	578479.83	3751398.23	-0.104	-0.023
7/19/07 9:41 AM	743	84-13-743		16.2	7	-90	160	Scrap Metal	2.1	30	Actual	Cultural	578430.25	3751399.49	578430.27	3751399.50	-0.021	-0.01
7/24/07 10:23 AM	744	84-13-744		52.2	50	-45	180	Seeds	9.1	45	Actual	Seed Item	578436.39	3751398.77	578436.39	3751399.00	-0.004	-0.233
6/26/07 2:14 PM	745	82-13-745		10.9	7	-45	180	Scrap Metal	1.9	13	Actual	Cultural	578261.10	3751399.42	578260.68	3751399.81	0.419	-0.391
7/25/07 10:54 AM	746	82-13-746		59.4	89	0	0	Soils	3.2	0	Actual	Soils	578271.91	3751399.89	578271.72	3751399.12	0.189	0.77
7/12/07 12:10 PM	747	83-14-747		146.6	2	0	0	Rock	8.7	2	Actual	Rock	578361.90	3751400.18	578361.47	3751400.23	0.422	-0.05
6/26/07 2:13 PM	748	82-13-748		18.7	6	0	0	Scrap Metal	1.8	7	Actual	Cultural	578263.24	3751399.72	578263.11	3751399.99	0.138	-0.266
7/11/07 11:39 AM	749	83-14-749		77	10	0	0	Rock	4.5	7	Actual	Rock	578300.26	3751399.88	578300.37	3751399.81	-0.108	0.072
7/12/07 9:59 AM	750	83-14-750		16.4	7	-45	90	Halfshell	4.6	25	Actual	MD	578350.68	3751401.17	578350.55	3751401.10	0.129	0.071
7/16/07 2:32 PM	751	83-14-751		66.9	96	0	0	Soils	2.7	0	Actual	Soils	578395.53	3751401.64	578395.46	3751401.88	0.074	-0.236
7/19/07 9:42 AM	752	84-14-752		1	3	-90	310	Scrap Metal	2	30	Actual	Cultural	578428.34	3751401.01	578428.34	3751400.91	-0.004	0.098
7/16/07 2:25 PM	753	83-14-753		34.9	64	0	0	Soils	2	0	Actual	Soils	578385.80	3751401.34	578385.79	3751401.53	0.017	-0.184
7/11/07 11:54 AM	754	83-14-754		18.5	4	0	300	Scrap Metal	1.8	7	Actual	Cultural	578311.32	3751402.60	578311.48	3751402.37	-0.158	0.236
7/11/07 11:48 AM	755	83-14-755		4.1	6	0	150	Scrap Metal	1.4	13	Actual	Cultural	578327.86	3751402.87	578327.78	3751402.76	0.074	0.112
7/12/07 1:33 PM	756	83-14-756		36.9	30	-90	90	Seeds	7.7	45	Actual	Seed Item	578332.56	3751402.54	578332.46	3751402.76	0.074	-0.006
7/12/07 1:33 FM	757	83-14-757	1	142.1	100	-90	0	Soils	7.6	0	Actual	Soils	578369.38	3751402.34	578369.64	3751402.62	-0.265	0.153
7/16/07 2:30 PM	758	83-14-758	1	10.6	40	0	0	Soils	1.8	0	Actual	Soils	578392.04	3751402.77	578392.32	3751402.02	-0.289	0.155
1/10/01 Z.30 FIVI	130	00-14-100	1	10.0	+∪	U	U	JUIIS	1.0	U	notual	30113	310382.04	3/3/402.93	310032.32	3/31402./0	-0.209	0.10

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

													UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
TimeStamp	Alias	Anomaly ID	Mag-N- Flag ID	Predicted Depth	Depth	Inclination	Azimuth	Identification	Predicted Length	Length	Actual/ Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	Δ Northing
			ID							ŭ							ū	Ū
7/24/07 9:19 AM	759	84-14-759		88.3	90	0	0	Seeds	8.9	45	Approximate	Seed Item	578444.04	3751403.35	578443.97	3751403.65	0.07	-0.302
7/12/07 1:55 PM	760	83-14-760		21.4	60	0	0	Soils	1.8	0	Actual	Soils	578355.40	3751405.21	578355.54	3751405.13	-0.132	0.078
7/11/07 11:35 AM	761	83-14-761		16	5	0	120	Scrap Metal	2.6	16	Actual	Cultural	578303.48	3751405.48	578303.53	3751405.37	-0.048	0.109
7/12/07 10:28 AM	762	83-14-762		9	10	-45	90	Scrap Metal	1.7	14	Actual	Cultural	578393.92	3751405.25	578393.80	3751405.51	0.124	-0.256
7/19/07 9:30 AM	763	84-14-763		23.4	30	-30	290	Halfshell	6	30	Actual	MD	578457.22	3751406.01	578457.31	3751406.03	-0.089	-0.027
7/25/07 10:46 AM	764	82-14-764		46.3	76	0	0	Soils	3.7	0	Actual	Soils	578282.03	3751406.82	578282.23	3751406.45	-0.203	0.37
7/12/07 10:12 AM	765	83-14-765		37.5	3	0	140	Frag	1.8	7	Actual	MD	578370.05	3751406.88	578369.60	3751406.84	0.45	0.041
7/12/07 10:32 AM	766	83-14-766		70.2	40	-90	0	Baseplate	6.1	12	Actual	MD	578398.31	3751407.28	578397.71	3751406.98	0.594	0.306
7/16/07 2:33 PM	767	84-14-767		26.7	57	0	0	Soils	2	0	Actual	Soils	578404.79	3751407.30	578404.98	3751407.51	-0.185	-0.212
6/26/07 2:04 PM	768	82-14-768		40.7	33	0	70	Scrap Metal	3.8	17	Actual	Cultural	578275.51	3751407.55	578275.60	3751407.60	-0.087	-0.046
7/26/07 10:18 AM	769	82-14-769		-8.3	8	0	0	Horseshoe	1.1	7	Actual	Cultural	578278.07	3751407.24	578278.01	3751406.79	0.063	0.452
7/24/07 12:45 PM	769	82-14-769		-8.3	4	0	0	Rock	1.1	1	Actual	Rock	578278.07	3751407.24	578278.26	3751407.00	-0.191	0.243
7/12/07 1:51 PM	770	83-14-770		29.1	60	0	0	Soils	2.7	0	Actual	Soils	578361.73	3751407.68	578361.64	3751407.84	0.092	-0.169
7/12/07 10:24 AM	771	83-14-771		39.8	5	0	50	Frag	2.9	9	Actual	MD	578384.66	3751407.31	578384.48	3751407.58	0.187	-0.267
7/19/07 9:39 AM	772	84-14-772		47.1	30	0	100	Scrap Metal	5.9	150	Actual	Cultural	578440.57	3751407.43	578440.29	3751407.33	0.282	0.102
7/19/07 9:02 AM	773	84-14-773		14	3	-90	90	Scrap Metal	1.7	9	Actual	Cultural	578466.51	3751407.76	578466.62	3751407.75	-0.108	0.01
7/25/07 10:48 AM	774	82-14-774		45.3	15	0	80	Wrench	3.8	25	Actual	Cultural	578290.46	3751408.15	578290.39	3751408.27	0.068	-0.119
7/12/07 10:20 AM	775	83-14-775		3.1	20	0	340	Frag	1.8	12	Actual	MD	578380.16	3751408.02	578380.24	3751408.00	-0.075	0.013
7/24/07 10:36 AM	776	84-14-776		27.5	57	0	0	Soils	2.6	0	Actual	Soils	578429.18	3751407.95	578429.02	3751408.17	0.157	-0.222
7/19/07 9:29 AM	777	84-14-777		19.6	5	0	170	Scrap Metal	1.9	6	Actual	Cultural	578447.22	3751408.40	578447.24	3751408.48	-0.024	-0.084
7/23/07 12:04 PM	778	84-14-778		91.9	121	0	0	Soils	4.9	0	Actual	Soils	578488.25	3751408.73	578487.92	3751408.38	0.333	0.351
7/12/07 10:17 AM	779	83-14-779		52.4	5	45	320	Frag	6.2	20	Actual	MD	578378.37	3751410.15	578378.54	3751410.09	-0.167	0.056
7/16/07 2:27 PM	780	83-14-780		11.7	41	0	0	Soils	2	0	Actual	Rock	578391.32	3751409.95	578390.94	3751410.22	0.376	-0.274
7/23/07 12:47 PM	781	84-14-781		47.9	40	0	270	Seeds	8.3	45	Approximate	Seed Item	578464.34	3751411.11	578464.10	3751410.95	0.232	0.169
7/23/07 12:12 PM	782	84-14-782		46.5	10	45	90	Seeds	10.4	45	Actual	Seed Item	578476.66	3751410.86	578477.05	3751410.76	-0.399	0.099
6/26/07 1:59 PM	783	82-14-783		78.7	60	0	20	Seeds	8.7	45	Actual	Seed Item	578280.10	3751411.42	578280.00	3751411.39	0.098	0.023
7/11/07 11:51 AM	784	83-14-784		0.4	5	0	300	Scrap Metal	1.7	6	Actual	Cultural	578328.72	3751411.57	578328.52	3751411.06	0.202	0.514
7/12/07 1:50 PM	785	83-14-785		31.9	65	0	0	Soils	1.3	0	Actual	Soils	578357.68	3751411.52	578357.78	3751411.75	-0.1	-0.225
7/12/07 2:21 PM	786	83-14-786		23.8	60	0	0	Soils	1.8	0	Actual	Soils	578371.37	3751411.54	578371.32	3751411.17	0.051	0.366
7/12/07 11:07 AM	787	84-14-787		27.5	10	-20	310	Halfshell	7.4	30	Actual	MD	578417.01	3751411.53	578417.09	3751411.57	-0.083	-0.038
7/12/07 2:25 PM	788	83-14-788		-4.7	30	0	0	No Contact	1.2	0	Actual	No Contacts	578374.00	3751411.90	578372.71	3751411.29	1.296	0.61
7/26/07 12:07 PM	789	84-14-789		66.1	96	0	0	Soils	4.4	0	Actual	Soils	578406.47	3751413.22	578406.64	3751412.57	-0.163	0.643
6/26/07 1:57 PM	790	82-14-790		13.5	7	0	90	Baseplate	3.4	11	Actual	MD	578275.93	3751413.08	578275.85	3751413.00	0.083	0.073
7/12/07 1:36 PM	791	83-14-791		99.9	60	0	180	Seeds	9.7	45	Actual	Seed Item	578312.35	3751413.04	578312.50	3751412.99	-0.15	0.047
7/17/07 10:34 AM	792	84-14-792		87.9	107	0	0	Soils	5.1	0	Actual	Soils	578409.56	3751414.54	578409.19	3751414.29	0.371	0.25
7/24/07 10:37 AM	793	84-14-793		39.4	69	0	0	Soils	2.5	0	Actual	Soils	578420.55	3751412.80	578420.18	3751412.62	0.368	0.178
7/17/07 10:18 AM	794	84-14-794		88.4	118	0	0	Soils	4.3	0	Actual	Soils	578413.44	3751413.85	578413.38	3751414.40	0.061	-0.543
6/26/07 1:55 PM	795	82-14-795		-4.2	10	-90	0	Scrap Metal	0.8	10	Actual	Cultural	578262.77	3751414.32	578262.67	3751414.44	0.095	-0.124
7/12/07 2:26 PM	796	83-14-796		27.1	60	0	0	Soils	2.5	0	Actual	Soils	578388.95	3751414.77	578389.26	3751414.51	-0.309	0.262
7/12/07 2:28 PM	797	84-14-797		58.6	88	0	0	Soils	3.4	0	Actual	Soils	578392.00	3751415.26	578392.30	3751415.50	-0.301	-0.237
7/12/07 2:34 PM	798	83-14-798		39.9	70	0	0	Soils	1.6	0	Actual	Soils	578394.94	3751415.44	578395.11	3751415.73	-0.166	-0.285
7/18/07 9:56 AM	799	84-14-799		35.2	5	0	0	Nose Frag	3.1	7	Actual	MD	578432.11	3751415.67	578432.01	3751415.70	0.1	-0.026
7/19/07 9:29 AM	800	84-14-800		16.4	5	-90	0	Baseplate	3.6	12	Actual	MD	578450.98	3751415.59	578451.05	3751415.54	-0.068	0.057
7/17/07 8:42 AM	801	83-14-801		24.6	20	0	100	Scrap Metal	5.3	50	Actual	Cultural	578398.23	3751416.28	578398.10	3751416.07	0.128	0.212
7/18/07 11:22 AM	802	84-14-802		130.5	160	0	0	Soils	6.8	0	Actual	Soils	578442.97	3751416.22	578442.11	3751416.14	0.861	0.073

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

TimeStamp   Alias   Anomaly ID   Sept   Depth   Dept														UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
TimeStamp					(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
723907 (249 PM) 803 811-8238 S2 8 30 -46 180 Seeds 9.1 46 Actual Seed Imm				Flag															
## PROPRIES OF TAX NO.   19.5   175			,	טו															ŭ
717707 (1959 AM 805 805 814-805 79.5 109 0 0 0 Sole 3.8 0 Actual Sole \$78384 03 3751417.76 \$7838.34 37514151 0.149 -0.398 777707 (1032 AM 805 814-807 91.1 121 0 0 0 Sole 2.3 0 Actual Sole \$78384 03 3751416.81 \$787414.77 375147.00 0.317 -0.189 771807 595 AM 807 814-4007 91.1 121 0 0 0 Sole 3.6 0 Actual Sole \$78384 03 3751416.81 \$787414.77 375147.00 0.317 -0.189 771807 595 AM 808 814-4009 31.4 30 -45 5 00 Sole 1.5 0 Actual MD \$787445.22 3751416.73 0.797416.73 0.79741.710 0.0074 -0.003 771807 110.0 AM 809 814-4000 2.5 35 0 0 Sole 1.5 0 Actual Sole \$78744.61 5.797416.53 3751416.73 0.019 0.008 771707 110.0 AM 809 814-4000 2.5 35 0 0 Sole 1.5 0 Actual Sole \$78041.65 375141.71 578416.53 3751416.73 0.019 0.008 771707 110.0 AM 809 814-4000 2.5 35 0 0 0 Sole 1.5 0 Actual Sole \$78041.65 3751417.10 578416.53 3751416.73 0.019 0.008 771707 110.0 AM 809 814-4000 2.5 35 0 0 0 Sole 2.1 0 Actual Sole \$78041.65 3751417.10 578416.53 3751415.73 0.019 0.008 771707 110.0 AM 809 814-4000 2.5 35 0 0 0 Sole 3.3 1 0 Actual Sole 578081.05 3751416.05 3751417.07 0.797416.73 0.009 771707 110.0 AM 809 814-4000 2.5 35 0 0 0 Sole 3.3 1 0 Actual Sole 578081.05 3751416.05 3751417.07 0.797416.74 0.009 771707 110.0 AM 809 814-4000 2.5 31 0 0 Sole 3.3 1 0 Actual Sole 578081.05 3751417.10 578418.53 3751415.05 0.009 771707 110.0 AM 809 814-4000 2.5 31 0 0 Sole 3.5 0 0 Actual Sole 578081.05 3751417.10 578418.53 3751417.00 0.009 771707 110.0 AM 814 814-814 1.5 3 83 0 0 0 Sole 3.5 0 Actual Sole 578081.05 3751417.10 578418.80 3751417.00 0.009 771707 110.0 AM 814 815 814-4816 1 19.5 14 0 O 0 Sole 3.5 0 Actual Sole 578081.05 3751417.28 578417.00 3751417.00 0.009 771707 110.0 AM 815 814-4816 1 19.5 14 0 O 0 Sole 3.5 0 Actual Sole 578081.05 3751417.00 3751417.00 3751417.00 0.009 771707 110.0 AM 815 814-4816 1 19.5 10 O 0 Sole 5.2 0 Actual Sole 578081.05 3751417.00 3751417.00 3751417.00 0.009 771807 111.0 AM 815 814-4816 1 2 21.4 1 1 0 O 0 Sole 5.5 0 Actual Sole 578081.05 3751417.00 3751417.00 3751417.00 0.000 0.000 0 Sole 5.5 0 Actual Sole 578081.05 3751417.0																			_
777707 1031 AM 806 807 841-1400 629 92 0 0 Solo 23 0 Actual Solo 578411.89 375141631 57841.575 0.344 0.046 777707 1037 AM 807 841-1409 31.4 30 -45 200 Baseplate 4.1 12 Actual Solo 57841.40 3751416.71 57845.15 3751416.73 0.074 -0.003 777707 1101 AM 809 841-14009 5 3 5 0 0 0 Solo 8.6 1 0 Actual Solo 57841.80 3751416.71 57845.15 3751416.73 0.074 -0.003 777707 1101 AM 810 831-1401 5.0																			
77/7071 1020 AM 808 841-4897 91,1 121 0 0 Sole 3.6 0 Amusi Sole 578414-49 375414-68 578414.71 375417-00 0.317 0.7189 771807 9518 M 808 841-4890 31.4 30 -45 200 Baseplate 4.1 12 Amusi MD 9784552 975417-00 578414.03 375416.73 0.074 -0.037 771807 1110.3 M 809 841-4890 51.5 35 0 0 0 Sole 1.5 0 Actual Sole 578418.65 3754147.01 573414.03 375417.00 0.317 0.024 0.327 771707 11054 AM 810 831-4811 0.266 58 0 0 0 Sole 2.1 0 Actual Sole 5783810 3754147.00 578418.03 3754147.07 0.022 0.322 771707 11054 AM 811 831-4811 0.57 81 0 0 Sole 3.2 0 Actual Sole 5783810 3754147.00 0.317 0.022 0.322 771707 11054 AM 811 831-4811 0.57 81 0 0 Sole 3.2 0 Actual Sole 5783810 3754147.00 0.317 0.021 0.380 0.021 0							_												
7/1807/1103/M 809 841-6908 31.4 30 -45 200 Basepinte 4.1 12 Actual MD 578363.22 3/514162.2 5/5445.15 3/51417.0 0.704 -0.036 1/5717/107104/M 810 88-14-810 32.86 58 0 0 0 Sols 1.5 0 Actual Sols 578418.6 3/51417.0 3/514																			
7/1807 1103 AM 80 90 8-14-809 5 5 5 0 0 0 Soils 1.5 0 Actual Soils 578418.05 3751417.0 578418.53 3751417.0 370412.0 0.099 0.3805 3771707 1103 AM 810 381-14-810 28.6 58 0 0 Soils 3.2 0 Actual Soils 578391.0 3751417.0 578391.30 3751417.97 0.223 0.322 777707 1045 AM 811 831-14-811 51.7 81 0 0 0 Soils 3.2 0 Actual Soils 578391.5 3751418.0 578391.30 3751418.30 0.378 0.378 0.3777707 1045 AM 812 381-14-812 77.2 107 0 0 Soils 3.2 0 Actual Soils 578391.5 3751418.0 578393.3 3751418.30 0.378 0.378 0.3777707 1044 AM 812 381-14-814 53 83 0 0 Soils 57840.0 578391.3 3751417.0 578393.5 3751417.71 0.5113 0.052							_												
7.77707   1010 AM   310   33-14-810   28.6   58   0   0   Solis   2.1   0   Actual   Solis   573831-07   3751417.65   578381.30   3751417.97   0-228   0-322   0-327   0-3777777   1010 AM   311   33-14-811   51.7   51   0   0   Solis   3.2   0   Actual   Solis   573831-05   3751418.04   578391.39   3751418.05   0-347   0-447																			
77:7707 10:54 AM 811 83-14-811 51.7 81 0 0 Soils 3.2 0 Actual Soils 57389.56 3751415.09 57389.33 3751415.53 0.378 4.0457 77:7707 10:40 AM 812 83-14-812 77.2 107 0 0 Soils 4.1 0 Actual Soils 57389.44 9 3751412.64 57839.36 3751418.00 50:52 77:7707 10:40 AM 813 83-14-813 28.2 31 0 120 Scrap Metal 2.5 8 Actual Cultural 57389.673 3751417.76 57389.72 3751417.71 0.513 0.052 77:807111.74 M 815 83-14-815 19.5 49 0 0 Soils 2 0 Actual Soils 57340.24 3751417.71 0.513 0.052 77:807111.74 M 815 84-18-815 19.5 49 0 0 Soils 2 0 Actual Soils 57340.24 38 574142.89 3751417.89 0.115 0.012 77:7707 10.41 AM 815 84-18-816 16.5 4 -90 0 Scrap Metal 1.6 15 Actual Cultural Soils 57340.75 3751418.89 57344.89 3751417.89 0.115 0.012 77:7707 10.41 AM 817 84-18-818 138 180 0 0 Scrap Metal 1.6 15 Actual Soils 57340.32 3751418.69 3751417.89 0.115 0.002 77:7807 10.41 AM 817 84-18-818 138 180 0 0 Scrap Metal 1.6 15 Actual Soils 57340.32 3751418.60 57340.05 3751417.80 0.044 77:7807 10.41 AM 817 84-18-818 138 180 10 0 Scrap Metal 1.6 15 Actual Soils 57340.32 3751418.60 57340.05 3751417.80 0.044 77:7807 10.51 AM 818 84-18-818 138 180 10 0 Scrap Metal 1.2 10 Actual Soils 57340.32 3751418.60 57340.05 3751417.80 0.044 77:7807 10.51 AM 817 84-18-819 23.4 15 0 0 Nose Frag 2.1 7 Actual MD 573483.83 3751418.61 57340.05 3751417.80 0.034 82007 10.29 AM 810 84-18-819 23.4 15 0 0 Nose Frag 2.1 7 Actual MD 573483.83 3751418.74 575444.00 3751417.80 0.034 82007 10.29 Actual Soils 573402.50 3751418.00 57502.24 3751410.00 50.05 5702.24 3751410.00 57502.24	7/18/07 11:03 AM	809						0			0	Actual							
717707 10-146 AM 812 83-14-812 77.2 107 0 0 0 Soils 4.1 0 Actual Soils 57894-0.8 3751418.24 57893-0.8 3751418.24 0.541 0.165 717107 10-146 AM 813 83-14-813 26-2 31 0 120 Scrap Metal 2.5 8 Actual Soils 57840-0.81 3751417.26 87893-2.4 3751417.0-0.513 0.052 7171807 11-1105 AM 816 84-14-814 5 53 83 0 0 10 Soils 3.5 0 Actual Soils 57840-0.81 3751417.28 3751417.0-0.113 0.052 7171807 11-1105 AM 816 84-14-815 19-5 49 0 0 Soils 2 0 Actual Soils 57840-0.81 3751417.28 3751417.0-0.115 0.012 7171807 92.7 AM 816 84-14-816 16.5 4 90 0 Soils 1.6 15 Actual Cultural 57840-7.55 3751417.8 3751417.7-0.118 0.084 7171807 11-114 M 817 84-14-817 25.7 55 0 0 0 Soils 1.9 0 Actual Soils 57840-0.03 3751418.61 67840-0.00 3751418.0-0.044 7171807 11-114 M 818 84-14-818 195 195 190 0 0 Soils 5.2 0 Actual Soils 57840-0.03 3751418.61 67840-0.03 3751418.0-0.073 0.044 7171807 11-115 AM 818 84-14-818 195 195 190 0 0 0 Soils 5.2 0 Actual Soils 57840-0.03 3751418.1-11.0-0.03 3751418.0-0.092 0.002 7171807 11-15 AM 818 84-14-819 23-4 15 0 0 0 Nose Fing 2.1 1 Actual MD 57840-0.03 3751418.0-0.03 3751418.0-0.093 0.002 7171807 11-13 AM 821 83-14-820 0.003		810	83-14-810			58	0	0			0	Actual	Soils	578381.07	3751417.65	578381.30	3751417.97	-0.228	-0.322
7/77/07/1044 AM 818 33-14-813	7/17/07 10:54 AM	811	83-14-811				-	0			0	Actual		578391.55	3751418.09		3751418.53		
7/1807 11-13 M 814 84-14-814 53 83 0 0 0 Solts 3.5 0 Actual Solts 578-00.81 375-147.02 578-818.96 375-147.04 1.888 0.241 1.71807 11-13 M 815 84-14-815 1.95 4.9 0 0 Solts 2 0 Actual Solts 578-00.81 375-147.02 578-00.81 375-147.02 1.118 0.064 1.118 0.118	7/17/07 10:46 AM	812	83-14-812			107	0	0	Soils		0	Actual	Soils	578394.49	3751418.24	578393.95	3751418.40	0.541	
7/1807 11:11 AM 815 84-14-815	7/17/07 10:44 AM	813	83-14-813		26.2	31	0	120	Scrap Metal	2.5	8	Actual	Cultural	578396.73	3751417.76	578397.24	3751417.71	-0.513	0.052
7:1907-927-AM 816 84-14-816 16.5 4 -90 0 Scrap Metal 1.6 15 Actual Cultural \$78467.55 3751417.84 \$78467.57 3751417.78 -0.118 0.064 17/16707-104-14-81-817 2.57 55 0 0 Soils 1.9 0 Actual Soils \$78400.33 3751418.61 \$78407.53 3751417.78 67407.33 0.044 17/16707-11-15-AM 818 18 4-14-818 1.35 160 0 0 Soils 5.2 0 Actual Soils \$78400.33 3751418.61 \$78407.53 3751417.78 67407.33 0.044 17/1807-11-15-AM 818 18 4-14-818 1.35 160 0 0 Soils 5.2 0 Actual Soils \$78407.53 3751417.84 \$78407.03 3751417.79 0.022 17/1907-11-15-AM 818 18 4-14-818 1.35 160 0 0 Soils 5.2 0 Actual Soils \$78407.53 3751417.84 \$78447.03 3751417.79 0.022 17/1907-11-15-AM 818 18 4-14-818 1.35 160 0 0 Soils 5.2 0 Actual Soils \$78407.53 3751417.84 \$78447.03 3751417.79 0.025 17/1907-11-15-AM 818 18 4-14-818 1.35 160 0 0 Soils 5.2 0 Actual Soils 5.2 0	7/18/07 11:05 AM	814	84-14-814		53	83	0	0	Soils	3.5	0	Actual	Soils	578420.81	3751417.28	578418.96	3751417.04	1.858	0.241
7/17/07 10/41 AM  817	7/18/07 11:11 AM	815	84-14-815		19.5	49	0	0	Soils	2	0	Actual	Soils	578424.78	3751418.28	578424.89	3751418.29	-0.115	-0.012
7/1807 11:15 AM 818 84:14-918	7/19/07 9:27 AM	816	84-14-816		16.5	4	-90	0	Scrap Metal	1.6	15	Actual	Cultural	578467.55	3751417.84	578467.67	3751417.78	-0.118	0.064
7/19/07/9/03 AM	7/17/07 10:41 AM	817	84-14-817		25.7	55	0	0	Soils	1.9	0	Actual	Soils	578400.32	3751418.61	578400.25	3751419.05	0.073	-0.44
62607   10-29 AM   820   82-14-820     7   0   90   Scrap Metal     10   Actual   Cultural   57825-5.9   3751419.00   57825-2.3   3751419.37   0.265   -0.369   7/1907   11-33 AM   822   84-14-822   69.5   99   0   0   Soils   3.7   0   Actual   Soils   578443.31   3751418.61   375325.08   3751418.52   -0.015   0.177   6/26/07   11-33 AM   822   84-14-822   42   30   0   0   Soils   3.7   0   Actual   Soils   578443.31   3751418.57   578443.46   3751418.59   -0.015   0.177   6/26/07   11-30 AM   824   82-14-823   42   30   0   0   Soils   1.6   0   Actual   Soils   57829.63   3751419.43   578256.28   3751419.37   0.097   0.097   0.055   0.056	7/18/07 11:15 AM	818	84-14-818		135	160	0	0	Soils	5.2	0	Actual	Soils	578427.25	3751417.84	578427.20	3751417.86	0.052	-0.022
7/11/07/11/56 AM 821 83-14-821 30.5 4 0 0 Rock 2.2 1 1 Actual Rock 578325.03 3751418.64 578325.03 3751418.62 -0.057 0.35 0.7618071133 AM 822 84-14-822 84-14-822 84-14-822 84-14-822 84-14-822 84-14-822 84-14-823 9 0 0 0 Soils 3.7 0 Actual Soils 578443.31 3751418.75 578263.83 3751419.85 -0.15 0.177 0.057 0.055 0.057 0.057 0.055 0.055 0.057 0.055 0.057 0.055 0.057 0.055 0.055 0.057 0.055 0.057 0.055 0.057 0.055 0.057 0.055 0.057 0.055 0.057 0.055 0.057 0.055 0.057 0.055 0.055 0.057 0.055 0.057 0.055 0.057 0.057 0.057 0.057 0.057 0.057 0.057 0.057 0.057 0.057 0.055 0.057 0.	7/19/07 9:03 AM	819	84-14-819		23.4	15	0	0	Nose Frag	2.1	7	Actual	MD	578483.83	3751418.74	578484.00	3751418.70	-0.173	0.034
7/18/07/11/33 AM 822 84-14-822 69.5 99 0 0 0 Soils 3.7 0 Actual Soils 578-443.31 3751418.75 578-443.46 3751418.58 -0.15 0.177 (0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.2	6/26/07 10:29 AM	820	82-14-820			7	0	90	Scrap Metal		10	Actual	Cultural	578252.50	3751419.00	578252.24	3751419.37	0.265	-0.369
6/26/07/11:06 AM 823 82-14-823 42 30 0 0 0 Seeds 9.1 45 Actual Seed Item 578265.38 3751419.43 578265.28 3751419.37 0.097 0.055 0.027/07/11:08 AM 824 82-14-824 32.2 100 0 0 0 Soils 1.6 0 Actual Soils 578293.63 3751419.53 578293.89 3751419.34 0.265 0.089	7/11/07 11:56 AM	821	83-14-821		30.5	4	0	0	Rock	2.2	1	Actual	Rock	578325.03	3751418.64	578325.08	3751418.29	-0.057	0.35
627/07/11/08 AM 824 82-14-824 32.2 100 0 0 Soils 1.6 0 Actual Soils 578293.63 3751419.25 578293.89 3751419.34 -0.265 -0.089 7/17/07 10:49 AM 825 83-14-825 111.8 1411 0 0 0 Soils 5.5 0 Actual Soils 578393.27 3751419.85 87839.72 3751419.87 0.198 -0.292 17/17/07 10:79 AM 826 83-14-826 9.4 40 0 0 0 Soils 1.5 0 Actual Soils 578399.68 3751420.85 67839.73 3751420.85 0.134 -0.4 7/19/07 8-49 AM 827 84-14-827 45.1 8 0 330 Scrap Metal 4.3 15 Actual Cultural 67849.56 3751420.85 67839.73 3751420.85 0.194 -0.194 0.103 7/17/07 10:23 AM 829 84-14-829 88.3 38 0 0 0 Scrap Metal 4.2 10 Actual Cultural 67849.56 3751420.85 67832.90 3751420.85 0.084 0.194 0.103 7/19/07 10:23 AM 829 84-14-829 88.3 38 0 0 0 Scrap Metal 4.2 10 Actual Cultural 578416.78 3751420.94 578418.82 3751420.36 0.044 0.575 7/19/07 8-51 AM 830 84-14-830 16.3 2 0 270 Seeds 1.9 11 Actual Seed Item 57849.95 43751420.40 57849.56 3751420.30 578499.50 3751420.30 578499.50 3751420.30 578499.50 3751420.30 578499.50 3751420.30 578499.50 3751420.30 578499.50 3751420.30 3751420.30 578499.50 3751420.30 3751420.30 3751420.30 3751420.30 3751420.30 375	7/18/07 11:33 AM	822	84-14-822		69.5	99	0	0	Soils	3.7	0	Actual	Soils	578443.31	3751418.75	578443.46	3751418.58	-0.15	0.177
7/17/07 10:49 AM	6/26/07 11:06 AM	823	82-14-823		42	30	0	0	Seeds	9.1	45	Actual	Seed Item	578265.38	3751419.43	578265.28	3751419.37	0.097	0.055
7/17/07/10:57 AM   826   83-14-826   9.4   40   0   0   Soiis   1.5   0   Actual   Soiis   578390.86   3751420.18   578390.73   3751420.58   0.134   -0.4	6/27/07 11:08 AM	824	82-14-824		32.2	100	0	0	Soils	1.6	0	Actual	Soils	578293.63	3751419.25	578293.89	3751419.34	-0.265	-0.089
7/19/07 8:49 AM 827 84-14-827 45.1 8 0 330 Scrap Metal 4.3 15 Actual Cultural 578495.50 3751420.26 578495.70 3751420.18 -0.194 0.103 7/11/07 11:59 AM 828 83-14-828 64.1 7 0 0 0 Rock 3.1 2 Actual Rock 578328.96 3751420.60 578329.05 3751420.60 578329.06 3751420.60 0.088 0.148 7/17/07 10:23 AM 829 88.3 38 0 0 0 Scrap Metal 4.2 10 Actual Cultural 578416.78 3751420.94 5781420.36 -0.044 0.575 7/19/07 8:51 AM 830 84-14-830 16.3 2 0 0 270 Seeds 1.9 111 Actual Seed Item 578499.54 3751420.30 578499.56 3751420.30 -0.044 0.575 7/19/07 8:51 AM 830 84-14-830 90.1 9 0 0 Rock 5.2 2 Actual Rock 578337.31 3751420.42 578337.29 3751420.30 0.040 0.040 0.050 0.050 0.0	7/17/07 10:49 AM	825	83-14-825		111.8	141	0	0	Soils	5.5	0	Actual	Soils	578392.92	3751419.58	578392.72	3751419.87	0.198	-0.292
7/11/07 11:59 AM 828 83-14-828 64.1 7 0 0 Rock 3.1 2 Actual Rock 578328.96 3751420.60 578329.05 3751420.45 -0.088 0.148 7/17/07 10:23 AM 829 84-14-829 88.3 38 0 0 Scrap Metal 4.2 10 Actual Cultural 578416.78 3751420.94 578416.82 3751420.36 -0.044 0.575 17/19/07 851 AM 830 84-14-830 16.3 2 0 270 Seeds 1.9 11 Actual Seed Item 57849.54 3751420.94 578416.82 3751420.29 -0.019 0.009 7/11/07 12:00 PM 831 83-14-831 90.1 9 0 0 Rock 5.2 2 Actual Rock 578337.31 3751420.42 578337.29 3751420.37 0.02 0.044 7/17/07 8-40 AM 832 84-14-832 17.4 5 90.1 19 0 0 Rock 5.2 2 Actual Rock 578337.31 3751420.42 578337.29 3751420.37 0.02 0.044 7/17/07 8-40 AM 832 84-18-832 17.4 5 90 180 Scrap Metal 1.8 8 Actual Cultural Seed Item 57840.58 3751420.64 57840.66 7 3751420.39 0.04 -0.093 7/11/07 12:01 PM 834 83-14-834 98 3 0 0 Rock 5.5 1 Actual Rock 578339.53 3751420.64 57840.66 7 3751420.39 0.04 -0.093 7/11/07 11:18 AM 835 84-14-835 63.3 93 0 0 Rock 5.5 1 Actual Rock 578339.53 3751420.58 578430.77 3751420.39 0.04 -0.093 7/19/07 97.07 AM 833 84-14-836 61.5 61 0 0 Soils 2.7 0 Actual Soils 578430.78 3751420.85 578430.77 3751420.73 0.013 0.122 7/19/07 97.07 AM 838 82-14-838 129.1 95 -455 170 Seeds 8.6 45 Actual Seed Item 57849.84 3751420.85 57848.07 3751420.27 0.0324 0.311 7/19/07 97.05 AM 838 82-14-838 129.1 95 -455 170 Seeds 8.6 45 Actual Seed Item 578294.82 3751422.85 57848.27 0.0324 0.311 7/19/07 97.05 AM 838 82-14-838 129.1 95 -455 170 Seeds 8.6 45 Actual Seed Item 578294.82 3751422.85 57848.27 0.002 0.056 627/07 11:02 AM 838 82-14-839 35.1 65 0 0 Soils 2.7 0 Actual Soils 578430.78 3751422.85 57849.34 3751422.15 0.013 0.013 0.122 0.013	7/17/07 10:57 AM	826	83-14-826		9.4	40	0	0	Soils	1.5	0	Actual	Soils	578390.86	3751420.18	578390.73	3751420.58	0.134	-0.4
7/17/07 10:23 AM 829 84-14-829 88.3 38 0 0 Scrap Metal 4.2 10 Actual Cultural 578416.78 3751420.94 578416.82 3751420.36 -0.044 0.575 7/19/07 8:51 AM 830 84-14-830 16.3 2 0 270 Seeds 1.9 11 Actual Seed Item 578499.54 3751420.30 578499.56 3751420.29 -0.019 0.009 7/11/07 12:00 PM 831 83-14-831 90.1 9 0 0 Rock 5.2 2 Actual Rock 578337.31 3751420.42 578337.29 3751420.37 0.02 0.044 7/17/07 8:40 AM 832 84-14-832 36.7 30 -20 150 Seeds 9.6 45 Actual Seed Item 578405.82 3751420.42 578337.29 3751420.56 0.15 0.076 7/19/07 9:10 AM 833 84-14-833 17.4 5 -90 180 Scrap Metal 1.8 8 Actual Seed Item 578405.82 3751420.84 578481.40 3751420.93 0.04 -0.093 7/11/07 12:01 PM 834 83-14-833 17.4 5 -90 180 Scrap Metal 1.8 8 Actual Cultural 578481.44 3751420.84 578481.40 3751420.33 0.04 -0.093 7/11/07 12:01 PM 834 83-14-835 63.3 93 0 0 Rock 5.5 1 Actual Rock 578339.33 3751421.55 578338.94 3751420.37 0.013 0.122 7/19/07 9:07 AM 836 84-14-836 63.3 93 0 0 Soils 2.7 0 Actual Soils 57849.35 3751422.52 578484.27 375142.21 -0.324 0.311 7/19/07 9:05 AM 837 84-14-837 18.7 3 0 0 Nose Frag 2 7 Actual MD 578490.34 3751422.25 578484.27 3751422.15 0.002 0.05 67/19/07 1:02 AM 838 82-14-838 129.1 95 -45 170 Seeds 8.6 45 Actual Seed Item 578490.34 3751423.25 578490.34 3751422.75 0.002 0.05 67/19/07 1:02 AM 840 841-844 0 11.4 41 0 0 0 Soils 2 0 Actual Soils 578490.39 3751423.25 578490.34 3751423.75 0.085 -0.04 7/17/07 10:29 AM 840 841-844 57 11.4 41 0 0 0 Soils 2 0 Actual Soils 57840.39 3751423.25 578490.34 3751423.11 0.37 0.258 7/19/07 9:12 AM 842 84-14-841 57 90 0 0 Soils 1.5 0 Actual Soils 57840.39 3751423.25 578490.34 3751423.11 0.37 0.258 7/19/07 9:12 AM 843 84-14-842 31 30 90 0 Nose Frag 2.4 7 Actual MD 578476.80 3751423.25 578491.30 3751423.11 0.37 0.258 7/19/07 9:12 AM 843 84-14-844 56 1 0 0 0 Soils 1.8 0 Actual Soils 578494.30 3751423.85 578494.01 3751423.11 0.071 0.031 7/19/07 1:03 AM 843 84-14-843 18.1 48 0 0 0 Soils 1.8 0 Actual Soils 578494.03 3751424.85 578494.01 3751424.01 0.0071 0.0031 7/19/07 1:03 AM 844 84-14-844 2.6 1 0 0 0 Soils 1.8 0 Ac	7/19/07 8:49 AM	827	84-14-827		45.1	8	0	330	Scrap Metal	4.3	15	Actual	Cultural	578495.50	3751420.28	578495.70	3751420.18	-0.194	0.103
7/19/07 8:51 AM 830 84-14-830 16.3 2 0 270 Seeds 1.9 11 Actual Seed Item 578499.54 3751420.30 578499.56 3751420.29 -0.019 0.009 7/11/07 12:00 PM 831 83-14-831 90.1 9 0 0 Rock 5.2 2 Actual Rock 578337.31 3751420.42 578337.23 70.02 0.044 7/17/07 8:40 AM 832 84-14-832 36.7 30 -20 150 Seeds 9.6 45 Actual Seed Item 578491.54 3751420.44 578405.62 3751420.64 578405.62 3751420.64 0.15 0.15 0.076 7/19/07 9:10 AM 833 84-14-833 17.4 5 -90 180 Scrap Metal 1.8 8 Actual Cultural 578481.44 3751420.84 578481.40 3751420.93 0.04 -0.093 7/11/07 12:01 PM 834 83-14-834 98 3 0 0 0 Rock 5.5 1 Actual Rock 578339.53 3751421.65 578338.94 3751421.55 0.589 -0.05 7/18/07 11:18 AM 835 84-14-836 61.5 61 0 0 Soils 2.7 0 Actual Soils 578430.58 3751422.65 578430.77 3751422.21 -0.324 0.311 7/19/07 9:05 AM 836 84-14-836 61.5 61 0 0 Soils 2.7 0 Actual Soils 57849.3 3751422.80 57849.34 3751422.51 -0.324 0.311 7/19/07 9:05 AM 838 84-14-839 35.1 18.7 3 0 0 Nose Frag 2 7 Actual MD 578490.34 3751422.80 57849.34 3751422.51 0.002 0.05 6/27/07 11:02 AM 839 84-14-839 35.1 65 0 0 Soils 2.7 0 Actual Soils 578403.59 3751422.50 578494.47 3751422.75 0.002 0.05 6/27/07 11:02 AM 839 84-14-839 35.1 65 0 0 Soils 2.0 0 Actual Soils 578403.59 3751422.30 578490.34 3751422.51 0.002 0.05 6/27/07 11:02 AM 840 84-14-840 11.4 41 0 0 Soils 2.0 0 Actual Soils 57841.21 3751422.85 578403.10 3751423.15 0.181 -0.103 7/19/07 10:29 AM 840 84-14-840 11.4 41 0 0 Soils 2.8 0 Actual Soils 57841.21 3751422.85 578403.10 3751423.21 0.037 0.025 7/19/07 12:24 AM 842 84-14-844 31 30 -90 100 Nose Frag 2.4 7 Actual MD 578476.80 3751423.23 578403.10 3751423.21 -0.278 0.002 0.05 7/19/07 11:24 AM 843 84-14-844 2.6 1 0 0 Nose Frag 1.9 7 Actual MD 57848.63 3751423.85 578403.10 3751423.21 0.071 0.071 0.031 7/19/07 12:25 PM 843 84 84-14-844 2.6 1 0 0 Nose Frag 1.9 7 Actual MD 57849.43 3751423.85 57844.10 3751423.11 0.071 0.071 0.0031 7/19/07 12:25 PM 843 84 84-14-844 2.6 1 0 0 Nose Frag 1.9 7 Actual MD 57849.53 3751424.85 57844.10 3751423.11 0.005 0.075 7/18/07 11:03 AM 846 83-14-846 50.0 0 Soils 1.	7/11/07 11:59 AM	828	83-14-828		64.1	7	0	0	Rock	3.1	2	Actual	Rock	578328.96	3751420.60	578329.05	3751420.45	-0.088	0.148
7/11/07 12:00 PM 831 83-14-831 90.1 9 0 0 Rock 5.2 2 Actual Rock 578337.31 3751420.42 578337.29 3751420.37 0.02 0.044 7/17/07 8:40 AM 832 84-14-832 36.7 30 -20 150 Seeds 9.6 45 Actual Seed Item 578405.82 3751420.64 578405.67 3751420.56 0.15 0.076 7/19/07 9:10 AM 833 84-14-833 17.4 5 -90 180 Scrap Metal 1.8 8 Actual Cultural 578481.44 3751420.84 578481.40 3751420.93 0.04 -0.093 7/11/07 12:01 PM 834 83-14-834 98 3 0 0 0 Rock 5.5 1 Actual Rock 57839.53 3751421.05 578383.49 3751421.55 0.589 -0.05 7/18/07 11:18 AM 835 84-14-835 63.3 93 0 0 0 Soils 2.7 0 Actual Soils 578430.78 3751420.85 578430.77 3751420.73 0.013 0.122 7/19/07 9:05 AM 836 84-14-836 61.5 61 0 0 0 Soils 2.7 0 Actual Soils 578483.95 3751422.52 578484.27 3751422.21 -0.324 0.311 7/19/07 9:05 AM 837 84-14-838 129.1 95 -45 170 Seeds 8.6 45 Actual Soils 578490.34 3751422.80 57829.46 3751423.15 0.181 -0.103 7/17/07 10:29 AM 838 84-14-839 35.1 65 0 0 Soils 2.7 0 Actual Soils 578403.59 3751422.80 57829.46 3751423.27 0.485 -0.044 7/17/07 10:29 AM 840 84-14-840 11.4 41 0 0 0 Soils 2.0 0 Actual Soils 578403.59 3751422.85 578413.10 3751422.81 7051423.21 0.028 7/18/07 10:59 AM 841 84-14-842 31 30 -90 100 Nose Frag 2.4 7 Actual Soils 578403.59 3751423.23 578403.10 3751423.27 0.485 -0.044 7/17/07 10:29 AM 842 84-14-842 31 30 -90 100 Nose Frag 2.4 7 Actual Soils 578416.0 3751423.28 578413.10 0.37 -0.258 7/18/07 11:38 AM 843 84-14-844 2.6 1 0 0 Nose Frag 2.4 7 Actual Soils 578476.80 3751423.38 578476.79 3751423.31 0.057 -0.058 7/18/07 11:38 AM 843 84-14-843 18.1 48 0 0 0 Soils 1.8 0 Actual Soils 578444.03 3751423.88 57844.10 3751424.01 -0.071 -0.031 7/19/07 8:47 AM 844 84-14-844 2.6 1 0 0 Nose Frag 1.9 7 Actual MD 578496.3 3751424.82 57849.3 3751424.0 -0.071 -0.031 7/19/07 8:47 AM 844 84-14-844 2.6 1 0 0 Nose Frag 1.9 7 Actual MD 578496.3 3751424.8 57849.5 3751424.0 -0.071 -0.031 7/19/07 8:47 AM 844 84-14-844 2.6 1 0 0 Nose Frag 1.9 7 Actual MD 578496.3 3751424.8 57849.5 3751424.0 -0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.00	7/17/07 10:23 AM	829	84-14-829		88.3	38	0	0	Scrap Metal	4.2	10	Actual	Cultural	578416.78	3751420.94	578416.82	3751420.36	-0.044	0.575
7/17/07 8:40 AM 832 84-14-832 36.7 30 -20 150 Seeds 9.6 45 Actual Seed Item 578405.82 3751420.64 578405.67 3751420.56 0.15 0.076 7/19/07 9:10 AM 833 84-14-833 17.4 5 -90 180 Scrap Metal 1.8 8 Actual Cultural 578481.44 3751420.85 578481.40 3751420.93 0.04 -0.093 17/11/07 12:01 PM 834 83-14-834 98 3 0 0 0 Rock 5.5 1 Actual Rock 578339.53 3751421.50 57838.94 3751421.55 0.589 -0.05 17/18/07 11:18 AM 835 84-14-835 63.3 93 0 0 0 Soils 2.7 0 Actual Soils 578483.95 3751420.85 578480.77 3751420.73 0.013 0.122 17/19/07 9:07 AM 836 84-14-836 61.5 61 0 0 0 Soils 2.7 0 Actual Soils 578483.95 3751422.52 578484.27 3751422.15 -0.324 0.311 17/19/07 9:05 AM 837 84-14-837 18.7 3 0 0 Nose Frag 2 7 Actual MD 578490.34 3751422.65 578490.34 3751422.15 0.002 0.05 17/19/07 10:22 AM 838 82-14-838 129.1 95 -45 170 Seeds 8.6 45 Actual Soils 578490.42 3751423.05 578294.64 3751423.15 0.181 -0.103 17/17/07 10:29 AM 840 84-14-840 11.4 41 0 0 Soils 2.8 0 Actual Soils 578414.21 3751422.31 578413.11 0.37 -0.258 17/18/07 10:59 AM 841 84-14-841 57 90 0 0 Soils 2.8 0 Actual Soils 578414.21 3751423.05 578413.84 3751423.11 0.37 -0.258 17/18/07 10:59 AM 842 84-14-842 31 30 90 0 Soils 2.8 0 Actual Soils 578414.03 3751423.05 578413.14 0.3751423.11 0.005 0.075 17/18/07 11:38 AM 843 84-14-844 2.6 1 0 0 Nose Frag 2.4 7 Actual MD 578476.80 3751423.05 578417.91 3751423.11 0.005 0.075 17/18/07 11:38 AM 843 84-14-844 2.6 1 0 0 Nose Frag 2.4 7 Actual MD 578476.80 3751423.38 578417.91 3751423.11 0.005 0.075 17/18/07 11:38 AM 843 84-14-844 2.6 1 0 0 Nose Frag 2.4 7 Actual MD 578476.80 3751423.38 5784476.79 3751423.11 0.005 0.075 17/18/07 11:38 AM 843 84-14-844 2.6 1 0 0 Nose Frag 1.9 7 Actual MD 578476.80 3751423.88 578445.01 3751424.11 0.005 0.075 17/18/07 11:38 AM 843 84-14-844 2.6 1 0 0 Nose Frag 1.9 7 Actual MD 578476.80 3751423.88 578446.79 3751424.11 0.005 0.075 17/18/07 11:38 AM 843 84-14-844 2.6 1 0 0 Nose Frag 1.9 7 Actual MD 578476.80 3751423.88 578446.79 3751424.11 0.005 0.005 17/18/07 11:38 AM 846 83-14-846 100.5 130 0 0 Soils 1.8 0 Actual Soils 57838	7/19/07 8:51 AM	830	84-14-830		16.3	2	0	270	Seeds	1.9	11	Actual	Seed Item	578499.54	3751420.30	578499.56	3751420.29	-0.019	0.009
7/19/07 9:10 AM 833 84-14-833 17.4 5 -90 180 Scrap Metal 1.8 8 Actual Cultural 578481.44 3751420.84 578481.40 3751420.93 0.04 -0.093 7/11/07 12:01 PM 834 83-14-835 98 3 0 0 0 Rock 5.5 1 Actual Rock 578339.53 3751421.50 578338.94 3751421.55 0.589 -0.05 7/18/07 11:18 AM 835 84-14-835 63.3 93 0 0 Soils 2.7 0 Actual Soils 578430.78 3751420.85 578430.77 3751420.73 0.013 0.122 7/19/07 9:05 AM 837 84-14-837 18.7 3 0 0 Nose Frag 2 7 Actual MD 578490.34 3751422.80 578490.34 3751422.75 0.002 0.05 6/27/07 11:02 AM 838 82-14-838 129.1 95 -45 170 Seeds 8.6 45 Actual Seed Item 578294.82 3751422.32 578403.10 3751423.27 0.485 -0.044 7/17/07 10:29 AM 840 84-14-840 11.4 41 0 0 0 Soils 2.8 0 Actual Soils 578417.21 3751422.85 578417.21 3751422.31 0.037 -0.258 7/18/07 10:59 AM 841 84-14-841 57 90 0 0 0 Soils 2.8 0 Actual Soils 578417.63 3751423.38 578442.01 3751423.21 -0.278 7/18/07 10:59 AM 842 84-14-842 31 30 -90 100 Nose Frag 2.4 7 Actual MD 578496.80 3751423.38 578476.79 3751423.21 -0.278 7/19/07 9:12 AM 843 84-14-844 2.6 1 0 0 0 Soils 1.8 0 Actual Soils 578496.33 3751424.82 578494.10 3751423.11 0.005 0.075 7/18/07 11:33 AM 846 83-14-844 2.6 1 0 0 0 Soils 1.8 0 Actual Soils 578496.33 3751424.82 578494.13 3751424.11 -0.001 0.004 Nose Frag 2.4 7 Actual MD 578496.80 3751423.38 578476.79 3751423.21 -0.278 7/19/07 9:12 AM 844 84-14-844 2.6 1 0 0 0 Soils 1.8 0 Actual Soils 578496.33 3751424.89 578444.10 3751423.01 -0.005 0.005	7/11/07 12:00 PM	831	83-14-831		90.1	9	0	0	Rock	5.2	2	Actual	Rock	578337.31	3751420.42	578337.29	3751420.37	0.02	0.044
7/11/07 12:01 PM 834 83-14-834 98 3 0 0 Rock 5.5 1 Actual Rock 578339.53 3751421.50 578338.94 3751421.55 0.589 -0.05 7/18/07 11:18 AM 835 84-14-835 63.3 93 0 0 0 Soils 2.7 0 Actual Soils 578430.78 3751420.85 578430.77 3751420.73 0.013 0.122 7/19/07 9:07 AM 836 84-14-836 61.5 61 0 0 0 Soils 2.7 0 Actual Soils 578430.78 3751420.85 578430.77 3751420.73 0.013 0.122 7/19/07 9:05 AM 837 84-14-837 118.7 3 0 0 Nose Frag 2 7 Actual MD 578490.34 3751422.52 578484.27 3751422.21 -0.324 0.311 7/19/07 11:02 AM 838 82-14-838 129.1 95 -45 170 Seeds 8.6 45 Actual Seed Item 578294.82 3751423.05 578294.64 3751423.15 0.181 -0.103 7/17/07 10:38 AM 839 84-14-839 35.1 65 0 0 Soils 2 0 Actual Soils 578440.59 3751423.23 578403.10 3751423.27 0.485 -0.044 7/17/07 10:29 AM 840 84-14-840 11.4 41 0 0 Soils 1.5 0 Actual Soils 578412.3 3751423.05 578413.84 3751423.11 0.37 -0.258 7/18/07 10:59 AM 841 84-14-841 57 90 0 0 Soils 2.8 0 Actual Soils 578412.3 3751423.07 578417.91 3751423.21 -0.278 -0.132 7/19/07 8:47 AM 842 84-14-843 18.1 48 0 0 Soils 2.8 0 Actual Soils 578440.3 3751423.05 57840.3 3751423.31 5751423.21 -0.278 -0.132 7/19/07 8:47 AM 843 84-14-844 2.6 1 0 0 Nose Frag 2.4 7 Actual MD 578476.80 3751423.07 578417.91 3751423.11 0.005 0.075 7/18/07 11:38 AM 843 84-14-844 2.6 1 0 0 Nose Frag 1.9 7 Actual Soils 578440.3 3751424.85 578444.10 3751424.01 -0.071 -0.031 7/19/07 8:47 AM 844 84-14-844 2.6 1 0 0 Nose Frag 1.9 7 Actual Soils 578494.53 3751424.85 578444.10 3751424.01 -0.071 -0.031 7/19/07 8:47 AM 844 84-14-844 2.6 1 0 0 Soils 1.8 0 Actual Soils 578494.53 3751424.85 57834.13 3751424.81 -0.059 0.229 7/17/07 11:03 AM 846 83-14-846 100.5 130 0 0 Soils 1.8 0 Actual Soils 578383.77 3751424.88 578384.13 3751424.81 -0.353 0.068	7/17/07 8:40 AM	832	84-14-832		36.7	30	-20	150	Seeds	9.6	45	Actual	Seed Item	578405.82	3751420.64	578405.67	3751420.56	0.15	0.076
7/18/07 11:18 AM         835         84-14-835         63.3         93         0         0         Soils         2.7         0         Actual         Soils         578430.78         3751420.85         578430.77         3751420.73         0.013         0.122           7/19/07 9:07 AM         836         84-14-836         61.5         61         0         0         Soils         2.7         0         Actual         Soils         578483.95         3751422.52         578484.27         3751422.21         -0.324         0.311           7/19/07 9:05 AM         837         84-14-837         18.7         3         0         0         Nose Frag         2         7         Actual         MD         578490.34         3751422.80         578490.34         3751422.75         0.002         0.05           6/27/07 11:02 AM         838         82-14-838         129.1         95         -45         170         Seeds         8.6         45         Actual         Seel Item         578294.82         3751422.05         578490.34         3751422.75         0.002         0.05           6/27/07 11:02 AM         838         82-14-838         129.1         95         -45         170         Seeds         8.6         45 <td< td=""><td>7/19/07 9:10 AM</td><td>833</td><td>84-14-833</td><td></td><td>17.4</td><td>5</td><td>-90</td><td>180</td><td>Scrap Metal</td><td>1.8</td><td>8</td><td>Actual</td><td>Cultural</td><td>578481.44</td><td>3751420.84</td><td>578481.40</td><td>3751420.93</td><td>0.04</td><td>-0.093</td></td<>	7/19/07 9:10 AM	833	84-14-833		17.4	5	-90	180	Scrap Metal	1.8	8	Actual	Cultural	578481.44	3751420.84	578481.40	3751420.93	0.04	-0.093
7/19/07 9:07 AM 836 84-14-836 61.5 61 0 0 Soils 2.7 0 Actual Soils 578483.95 3751422.52 578484.27 3751422.21 -0.324 0.311 7/19/07 9:05 AM 837 84-14-837 18.7 3 0 0 Nose Frag 2 7 Actual MD 578490.34 3751422.80 578490.34 3751422.75 0.002 0.05 6/27/07 11:02 AM 838 82-14-838 129.1 95 -45 170 Seeds 8.6 45 Actual Seed Item 578294.82 3751423.05 578294.64 3751423.15 0.181 -0.103 7/17/07 10:38 AM 839 84-14-839 35.1 65 0 0 Soils 2 0 Actual Soils 578403.59 3751423.23 578403.10 3751423.27 0.485 -0.044 7/17/07 10:29 AM 840 84-14-840 11.4 41 0 0 0 Soils 1.5 0 Actual Soils 578414.21 3751422.85 578413.84 3751423.11 0.37 -0.258 7/18/07 10:59 AM 841 84-14-841 57 90 0 0 Soils 2.8 0 Actual Soils 578417.63 3751423.37 578417.91 3751423.21 -0.078 -0.132 7/18/07 9:12 AM 842 84-14-842 31 30 -90 100 Nose Frag 2.4 7 Actual MD 578496.80 3751423.38 578417.91 3751423.11 0.005 0.075 7/18/07 11:38 AM 843 84-14-844 2.6 1 0 0 0 Soils 1.8 0 Actual Soils 578444.03 3751423.98 578444.10 3751423.01 -0.0071 -0.0031 7/19/07 8:47 AM 844 84-18-44 2.6 1 0 0 0 Nose Frag 1.9 7 Actual MD 578496.53 3751424.82 578494.50 3751424.77 0.024 0.044 6/26/07 12:25 PM 845 82-14-845 55.2 100 0 0 Soils 1.8 0 Actual Soils 57825.53 3751424.88 578384.13 3751424.74 -0.599 0.229 7/17/07 11:03 AM 846 83-14-846 100.5 130 0 0 Soils 5.7 0 Actual Soils 578383.77 3751424.88 578384.13 3751424.81 -0.353 0.068	7/11/07 12:01 PM	834	83-14-834		98	3	0	0	Rock	5.5	1	Actual	Rock	578339.53	3751421.50	578338.94	3751421.55	0.589	-0.05
7/19/07 9:05 AM         837         84-14-837         18.7         3         0         0         Nose Frag         2         7         Actual         MD         578490.34         3751422.80         578490.34         3751422.75         0.002         0.05           6/27/07 11:02 AM         838         82-14-838         129.1         95         -45         170         Seeds         8.6         45         Actual         Seed Item         578294.82         3751423.05         578294.64         3751423.15         0.181         -0.103           7/17/07 10:38 AM         839         84-14-839         35.1         65         0         0         Soils         2         0         Actual         Soils         578403.59         3751423.23         578403.10         3751423.27         0.485         -0.044           7/17/07 10:29 AM         840         84-14-840         11.4         41         0         0         Soils         1.5         0         Actual         Soils         578413.84         3751423.21         -0.278         -0.258           7/18/07 11:38 AM         841         84-14-841         57         90         0         0         Soils         2.8         0         Actual         Soils         578417.63 <td>7/18/07 11:18 AM</td> <td>835</td> <td>84-14-835</td> <td></td> <td>63.3</td> <td>93</td> <td>0</td> <td>0</td> <td>Soils</td> <td>2.7</td> <td>0</td> <td>Actual</td> <td>Soils</td> <td>578430.78</td> <td>3751420.85</td> <td>578430.77</td> <td>3751420.73</td> <td>0.013</td> <td>0.122</td>	7/18/07 11:18 AM	835	84-14-835		63.3	93	0	0	Soils	2.7	0	Actual	Soils	578430.78	3751420.85	578430.77	3751420.73	0.013	0.122
6/27/07 11:02 AM 838 82-14-838 129.1 95 -45 170 Seeds 8.6 45 Actual Seed Item 578294.82 3751423.05 578294.64 3751423.15 0.181 -0.103 7/17/07 10:38 AM 839 84-14-839 35.1 65 0 0 Soils 2 0 Actual Soils 578403.59 3751423.23 578403.10 3751423.27 0.485 -0.044 7/17/07 10:29 AM 840 84-14-840 11.4 41 0 0 0 Soils 1.5 0 Actual Soils 578414.21 3751422.85 578413.84 3751423.11 0.37 -0.258 7/18/07 10:59 AM 841 84-14-841 57 90 0 0 Soils 2.8 0 Actual Soils 578417.63 3751423.07 578417.91 3751423.21 -0.278 -0.132 7/19/07 9:12 AM 842 84-14-842 31 30 -90 100 Nose Frag 2.4 7 Actual MD 578476.80 3751423.98 578444.10 3751423.11 -0.005 1.005 1.81 1.8 0 Actual Soils 57844.03 3751423.98 578444.10 3751424.11 -0.001 1.001	7/19/07 9:07 AM	836	84-14-836		61.5	61	0	0	Soils	2.7	0	Actual	Soils	578483.95	3751422.52	578484.27	3751422.21	-0.324	0.311
7/17/07 10:38 AM 839 84-14-839 35.1 65 0 0 Soils 2 0 Actual Soils 578403.59 3751423.23 578403.10 3751423.27 0.485 -0.044 7/17/07 10:29 AM 840 84-14-840 11.4 41 0 0 Soils 1.5 0 Actual Soils 578414.21 3751422.85 578413.84 3751423.11 0.37 -0.258 7/18/07 10:59 AM 841 84-14-841 57 90 0 0 Soils 2.8 0 Actual Soils 578417.63 3751423.07 578417.91 3751423.21 -0.278 -0.132 7/19/07 9:12 AM 842 84-14-842 31 30 -90 100 Nose Frag 2.4 7 Actual MD 578476.80 3751423.38 578474.10 3751423.31 0.005 0.075 7/19/07 8:47 AM 843 84-14-843 18.1 48 0 0 Soils 1.8 0 Actual Soils 57844.03 3751423.98 578444.10 3751423.01 -0.071 -0.071 7/19/07 8:47 AM 844 84-14-844 2.6 1 0 0 Nose Frag 1.9 7 Actual MD 578494.53 3751424.82 578494.50 3751424.77 0.024 0.044 6/26/07 12:25 PM 845 82-14-845 55.2 100 0 0 Soils 1.8 0 Actual Soils 57825.53 3751424.82 578384.13 3751424.74 -0.559 0.229 7/17/07 11:03 AM 846 83-14-846 100.5 130 0 0 Soils 5.7 0 Actual Soils 578383.77 3751424.88 578384.13 3751424.81 -0.353 0.068	7/19/07 9:05 AM	837	84-14-837		18.7	3	0	0	Nose Frag	2	7	Actual	MD	578490.34	3751422.80	578490.34	3751422.75	0.002	0.05
7/17/07 10:38 AM 839 84-14-839 35.1 65 0 0 Soils 2 0 Actual Soils 578403.59 3751423.23 578403.10 3751423.27 0.485 -0.044 7/17/07 10:29 AM 840 84-14-840 11.4 41 0 0 Soils 1.5 0 Actual Soils 578414.21 3751422.85 578413.84 3751423.11 0.37 -0.258 7/18/07 10:59 AM 841 84-14-841 57 90 0 0 Soils 2.8 0 Actual Soils 578417.63 3751423.07 578417.91 3751423.21 -0.278 -0.132 7/19/07 9:12 AM 842 84-14-842 31 30 -90 100 Nose Frag 2.4 7 Actual MD 578476.80 3751423.38 578474.10 3751423.31 0.005 0.075 7/19/07 8:47 AM 843 84-14-843 18.1 48 0 0 Soils 1.8 0 Actual Soils 57844.03 3751423.98 578444.10 3751423.01 -0.071 -0.071 7/19/07 8:47 AM 844 84-14-844 2.6 1 0 0 Nose Frag 1.9 7 Actual MD 578494.53 3751424.82 578494.50 3751424.77 0.024 0.044 6/26/07 12:25 PM 845 82-14-845 55.2 100 0 0 Soils 1.8 0 Actual Soils 57825.53 3751424.82 578384.13 3751424.74 -0.559 0.229 7/17/07 11:03 AM 846 83-14-846 100.5 130 0 0 Soils 5.7 0 Actual Soils 578383.77 3751424.88 578384.13 3751424.81 -0.353 0.068	6/27/07 11:02 AM	838	82-14-838		129.1	95	-45	170	Seeds	8.6	45	Actual	Seed Item	578294.82	3751423.05	578294.64	3751423.15	0.181	-0.103
7/17/07 10:29 AM 840 84-14-840 11.4 41 0 0 Soils 1.5 0 Actual Soils 578414.21 3751422.85 578413.84 3751423.11 0.37 -0.258 7/18/07 10:59 AM 841 84-14-841 57 90 0 0 Soils 2.8 0 Actual Soils 578417.63 3751423.07 578417.91 3751423.21 -0.278 -0.132 7/19/07 9:12 AM 842 84-14-842 31 30 -90 100 Nose Frag 2.4 7 Actual MD 578476.80 3751423.38 578476.79 3751423.31 0.005 0.075 7/18/07 11:38 AM 843 84-14-843 18.1 48 0 0 Soils 1.8 0 Actual Soils 578444.03 3751424.81 -0.278 -0.132 7/19/07 8:47 AM 844 84-14-844 2.6 1 0 0 Nose Frag 1.9 7 Actual MD 578494.53 3751424.82 578494.50 3751424.77 0.024 0.044 6/26/07 12:25 PM 845 82-14-845 55.2 100 0 0 Soils 1.8 0 Actual Soils 57825.53 3751424.82 578494.50 3751424.77 0.029 7/17/07 11:03 AM 846 83-14-846 100.5 130 0 0 Soils 5.7 0 Actual Soils 578383.77 3751424.88 578384.13 3751424.81 -0.353 0.068	7/17/07 10:38 AM	839	84-14-839		35.1	65	0	0	Soils	2	0	Actual	Soils	578403.59	3751423.23		3751423.27	0.485	-0.044
7/18/07 10:59 AM         841         84-14-841         57         90         0         0         Soils         2.8         0         Actual         Soils         578417.63         3751423.07         578417.91         3751423.21         -0.278         -0.132           7/19/07 9:12 AM         842         84-14-842         31         30         -90         100         Nose Frag         2.4         7         Actual         MD         578476.80         3751423.38         578476.79         3751423.31         0.005         0.075           7/18/07 11:38 AM         843         84-14-843         18.1         48         0         0         Soils         1.8         0         Actual         Soils         578444.03         3751423.98         578444.01         3751424.01         -0.071         -0.031           7/19/07 8:47 AM         844         84-14-844         2.6         1         0         Nose Frag         1.9         7         Actual         MD         578494.53         3751424.82         578494.50         3751424.77         0.024         0.044           6/26/07 12:25 PM         845         82-14-845         55.2         100         0         Soils         1.8         0         Actual         Soils <t< td=""><td></td><td>840</td><td>84-14-840</td><td></td><td>11.4</td><td></td><td>0</td><td>0</td><td>Soils</td><td></td><td>0</td><td>Actual</td><td></td><td>578414.21</td><td></td><td></td><td>3751423.11</td><td>0.37</td><td>-0.258</td></t<>		840	84-14-840		11.4		0	0	Soils		0	Actual		578414.21			3751423.11	0.37	-0.258
7/19/07 9:12 AM         842         84-14-842         31         30         -90         100         Nose Frag         2.4         7         Actual         MD         578476.80         3751423.38         578476.79         3751423.31         0.005         0.075           7/18/07 11:38 AM         843         84-14-843         18.1         48         0         0         Soils         1.8         0         Actual         Soils         578444.03         3751423.98         578444.10         3751424.01         -0.071         -0.031           7/19/07 8:47 AM         844         84-14-844         2.6         1         0         0         Nose Frag         1.9         7         Actual         MD         578494.53         3751424.82         578494.50         3751424.77         0.024         0.044           6/26/07 12:25 PM         845         82-14-845         55.2         100         0         O         Soils         1.8         0         Actual         Soils         578252.53         3751424.97         578253.13         3751424.74         -0.599         0.229           7/17/07 11:03 AM         846         83-14-846         100.5         130         0         0         Soils         5.7         0         Actu		841	84-14-841		57	90	0	0	Soils	2.8	0	Actual		578417.63		578417.91		-0.278	
7/18/07 11:38 AM         843         84-14-843         18.1         48         0         0         Soils         1.8         0         Actual         Soils         578444.03         3751423.98         578444.10         3751424.01         -0.071         -0.031           7/19/07 8:47 AM         844         84-14-844         2.6         1         0         0         Nose Frag         1.9         7         Actual         MD         578494.53         3751424.82         578494.50         3751424.77         0.024         0.044           6/26/07 12:25 PM         845         82-14-845         55.2         100         0         0         Soils         1.8         0         Actual         Soils         578252.53         3751424.97         578253.13         3751424.74         -0.599         0.229           7/17/07 11:03 AM         846         83-14-846         100.5         130         0         0         Soils         5.7         0         Actual         Soils         578383.77         3751424.88         578384.13         3751424.81         -0.353         0.068		842	84-14-842		31	30	-90	100	Nose Frag		7	Actual	MD	578476.80	3751423.38	578476.79	3751423.31	0.005	0.075
7/19/07 8:47 AM         844         84-14-844         2.6         1         0         0         Nose Frag         1.9         7         Actual         MD         578494.53         3751424.82         578494.50         3751424.77         0.024         0.044           6/26/07 12:25 PM         845         82-14-845         55.2         100         0         0         Soils         1.8         0         Actual         Soils         578252.53         3751424.97         578253.13         3751424.74         -0.599         0.229           7/17/07 11:03 AM         846         83-14-846         100.5         130         0         0         Soils         5.7         0         Actual         Soils         578383.77         3751424.88         578384.13         3751424.81         -0.353         0.068											0								
6/26/07 12:25 PM 845 82-14-845 55.2 100 0 0 Soils 1.8 0 Actual Soils 578252.53 3751424.97 578253.13 3751424.74 -0.599 0.229 7/17/07 11:03 AM 846 83-14-846 100.5 130 0 0 Soils 5.7 0 Actual Soils 578383.77 3751424.88 578384.13 3751424.81 -0.353 0.068		844	84-14-844		2.6	1	0	0	Nose Frag	1.9	7	Actual	MD	578494.53		578494.50	3751424.77	0.024	0.044
7/17/07 11:03 AM 846 83-14-846 100.5 130 0 0 Soils 5.7 0 Actual Soils 578383.77 3751424.88 578384.13 3751424.81 -0.353 0.068		845	82-14-845			100	0	0			0	Actual		578252.53			3751424.74	-0.599	0.229
		846					0	0			0								
	7/17/07 11:07 AM	847	83-14-847		68.6	98	0	0	Soils	3.6	0	Actual	Soils	578386.00	3751425.38	578386.89	3751425.35	-0.889	0.037

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

													U1M 16 N	orth Meters	UIM 16 N	orth Meters	(Predicted	- Measured)
<u>.                                    </u>				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
TimeStamp A	Alias	Anomaly ID	Mag-N- Flag ID	Predicted Depth	Depth	Inclination	Azimuth	Identification	Predicted Length	Length	Actual/	Dig Tupo	Footing	Northing	Footing	Northing	A Facting	A Northing
			שו						ŭ		Approx	Dig Type	Easting	Northing	Easting	Northing		ŭ
	848	84-14-848		32.2	20	-45	270	Baseplate	4	12	Actual	MD	578477.24	3751425.37	578477.28	3751425.38	-0.037	-0.01
	849	84-14-849		83.5	10	0	20	Halfshell	4.5	30	Actual	MD	578415.43	3751425.88	578415.51	3751425.95	-0.078	-0.065
	850	83-14-850		83.5	113	0	0	Soils	4.5	0	Actual	Soils	578392.99	3751427.17	578392.81	3751427.60	0.175	-0.428
	851	82-14-851		58.4	70	0	0	Soils	3.1	0	Actual	Soils	578253.91	3751428.19	578253.83	3751428.21	0.086	-0.017
	852	82-14-852		24.4	5	0	80	Scrap Metal	3.9	15	Actual	Cultural	578282.67	3751427.19	578282.80	3751427.23	-0.128	-0.04
	853	84-14-853		65.6	30	45	270	Seeds	10.3	45	Actual	Seed Item	578407.68	3751427.54	578407.94	3751427.31	-0.259	0.233
	854	82-14-854		109.6	53	0	0	Soils	6.2	0	Actual	Soils	578284.95	3751428.11	578285.06	3751428.18	-0.115	-0.07
	855	83-14-855		-3.3	33	0	0	Soils	0.8	0	Actual	Soils	578350.84	3751428.14	578350.93	3751428.39	-0.091	-0.247
	856	84-14-856		34.4	30	-45	0	Seeds	7.2	45	Approximate	Seed Item	578470.79	3751428.16	578470.77	3751428.09	0.017	0.063
	857	82-14-857		25.9	9	0	50	Scrap Metal	2.4	20	Actual	Cultural	578274.96	3751428.98	578274.99	3751429.02	-0.028	-0.046
	858	83-14-858		43.9	10	0	240	Frag	5.1	7	Actual	MD	578330.20	3751429.06	578330.09	3751428.92	0.109	0.142
	859	83-14-859		20.8	10	0	0	Nose Frag	1.9	7	Actual	MD	578344.68	3751428.76	578344.61	3751428.63	0.074	0.126
	860	83-14-860		69.2	60	80	210	Seeds	9.9	45	Actual	Seed Item	578388.95	3751428.96	578389.06	3751429.37	-0.109	-0.407
	861	84-14-861		106.8	131	0	0	Soils	5.9	0	Actual	Soils	578454.28	3751428.84	578454.21	3751428.59	0.071	0.247
	862	84-14-862		150.2	2	0	90	Scrap Metal	7.4	10	Actual	Cultural	578495.94	3751429.72	578495.62	3751429.27	0.317	0.455
	863	84-14-863		17.3	5	0	90	Halfshell	6.7	30	Actual	MD	578434.10	3751430.00	578434.18	3751429.87	-0.076	0.129
	864	84-14-864		8.2	38	0	0	Nose Frag	1.5	7	Actual	MD	578438.43	3751430.03	578438.61	3751429.93	-0.179	0.101
	865	84-14-865		35.5	65	0	0	Soils	2	0	Actual	Soils	578442.65	3751430.06	578442.70	3751430.04	-0.056	0.014
	866	83-14-866		95.5	125	0	0	Soils	5.1	0	Actual	Soils	578373.78	3751430.57	578374.00	3751430.75	-0.217	-0.177
	867	83-14-867		97.8	127	0	0	Soils	6.1	0	Actual	Soils	578352.34	3751430.97	578352.73	3751431.35	-0.382	-0.377
	868	84-14-868		29.2	20	-90	60	Frag	2.8	14	Actual	MD	578426.04	3751430.72	578425.84	3751431.27	0.2	-0.548
	869	83-14-869		34.5	10	0	0	Rock	2.5	2	Actual	Rock	578315.21	3751431.29	578315.46	3751431.17	-0.247	0.124
	870	83-14-870		61.1	60	90	0	Seeds	8.1	45	Actual	Seed Item	578318.84	3751431.50	578318.91	3751431.42	-0.064	0.074
	871	83-14-871		-1	9	0	0	Nose Frag	1.4	7	Actual	MD	578323.49	3751431.43	578323.42	3751431.55	0.069	-0.129
	872	83-14-872		116.1	146	0	0	Soils	5.4	0	Actual	Soils	578356.87	3751430.78	578356.87	3751431.20	-0.002	-0.42
	873	83-14-873		53.9	83	0	0	Soils	3.2	0	Actual	Rock	578366.54	3751432.52	578366.69	3751432.52	-0.148	0.002
	874	84-14-874		105.5	60	90	0	Seeds	9.5	45	Actual	Seed Item	578420.75	3751432.10	578421.19	3751432.25	-0.438	-0.152
	875	84-14-875		29.3	59	0	0	Soils	2.2	0	Actual	Soils	578458.42	3751431.58	578458.21	3751431.87	0.205	-0.284
	876	84-14-876		32.6	30	-45	170	Seeds	7.8	45	Approximate	Seed Item	578483.54	3751431.58	578483.44	3751431.56	0.104	0.025
	877	84-14-877		79.3	109	0	0	Soils	4.2	0	Actual	Soils	578498.17	3751432.56	578498.52	3751432.38	-0.353	0.175
	878	83-14-878		30	12	0	140	Scrap Metal	1.6	14	Actual	Cultural	578305.83	3751433.50	578305.66	3751433.38	0.167	0.122
.,	879	83-14-879		64.8	94	0	0	Soils	3.6	0	Actual	Soils	578367.90	3751434.10	578368.21	3751434.37	-0.309	-0.274
	880	83-14-880		1.5	60	0	0	Soils	1.4	0	Actual	Soils	578374.85	3751434.30	578375.04	3751434.55	-0.191	-0.249
7/18/07 11:45 AM	881	84-14-881		29	59	0	0	Soils	2.3	0	Actual	Soils	578438.69	3751433.79	578438.83	3751433.94	-0.138	-0.147
7/23/07 12:24 PM	882	84-14-882		36.7	56	0	0	Soils	2.1	0	Actual	Soils	578457.24	3751433.83	578456.72	3751434.02	0.523	-0.19
	883	83-14-883		20.2	20	-45	320	Baseplate	4	12	Actual	MD	578327.32	3751435.09	578327.34	3751435.16	-0.018	-0.065
7/11/07 12:05 PM	884	83-14-884		0	8	0	0	Nose Frag	1.7	7	Actual	MD	578333.67	3751435.21	578333.68	3751435.09	-0.007	0.116
7/24/07 11:37 AM	885	83-14-885		19.1	49	0	0	Soils	1.6	0	Actual	Soils	578377.87	3751435.13	578378.38	3751435.07	-0.512	0.06
7/18/07 9:50 AM	886	84-14-886		95.5	10	-90	50	Scrap Metal	5.1	14	Actual	Cultural	578419.20	3751435.91	578419.21	3751435.92	-0.009	-0.009
7/23/07 12:30 PM	887	84-14-887		33.6	63	0	0	Soils	2.6	0	Actual	Soils	578446.42	3751435.97	578446.65	3751435.84	-0.234	0.133
7/19/07 8:44 AM	888	85-14-888		35.5	1	-90	0	Scrap Metal	2.7	6	Actual	Cultural	578500.07	3751436.03	578500.24	3751436.47	-0.169	-0.444
6/26/07 10:20 AM	889	82-14-889		94.7	46	0	0	Soils	6.7	0	Actual	Soils	578288.55	3751436.38	578288.51	3751436.73	0.037	-0.345
7/19/07 2:54 PM	890	84-14-890		52.5	15	-45	300	Seeds	9.8	45	Actual	Seed Item	578492.78	3751436.79	578492.86	3751436.72	-0.081	0.078
6/26/07 12:07 PM	891	82-14-891		117.3	43	0	0	Soils	6.5	0	Actual	Soils	578254.87	3751437.07	578255.02	3751436.99	-0.15	0.076
7/17/07 11:18 AM	892	83-14-892		43.4	73	0	0	Soils	2.7	0	Actual	Soils	578396.44	3751436.93	578396.67	3751437.29	-0.228	-0.36

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

													UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
			Mag-N- Flag	Predicted					Predicted		Actual/							
TimeStamp	Alias	Anomaly ID	ID	Depth	Depth	Inclination	Azimuth	Identification	Length	Length	Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	ŭ
7/19/07 9:24 AM	893	84-14-893		16.2	3	0	350	Scrap Metal	4.5	18	Actual	Cultural	578448.81	3751436.85	578448.96	3751436.82	-0.154	0.033
7/17/07 11:30 AM	894	84-14-894		115.6	90	0	180	Seeds	9	45	Approximate	Seed Item	578407.33	3751437.29	578407.44	3751437.55	-0.117	-0.26
7/23/07 12:26 PM	895	84-14-895		45.1	75	0	0	Soils	4.2	0	Actual	Soils	578451.62	3751437.39	578451.82	3751437.17	-0.198	0.217
7/19/07 3:07 PM	896	84-14-896		31.5	59	0	0	Soils	2.5	0	Actual	Soils	578468.84	3751437.64	578468.95	3751437.68	-0.107	-0.032
7/11/07 12:04 PM	897	83-14-897		24.8	6	0	90	Frag	2.2	13	Actual	MD	578341.74	3751438.30	578341.31	3751437.74	0.431	0.561
7/19/07 9:21 AM	898	84-14-898		29.8	5	0	180	Frag	2.2	12	Actual	MD	578462.23	3751438.03	578462.57	3751437.86	-0.342	0.167
7/23/07 12:27 PM	899	84-14-899		14.8	44	0	0	Soils	2.1	0	Actual	Soils	578453.62	3751438.65	578453.42	3751438.54	0.206	0.109
7/19/07 3:09 PM	900	84-14-900		0.97	20	0	0	Nose Frag	2	7	Actual	MD	578457.54	3751438.40	578457.59	3751438.32	-0.049	0.082
7/16/07 9:57 AM	901	83-14-901		64.5	94	0	0	Soils	4.7	0	Actual	Soils	578359.52	3751439.43	578359.72	3751439.37	-0.202	0.064
7/17/07 11:27 AM	902	83-14-902		20.7	50	0	0	Soils	1.9	0	Actual	Soils	578389.67	3751438.90	578389.75	3751438.98	-0.08	-0.082
7/25/07 10:29 AM	903	82-14-903		164.6	164	0	0	Soils	10.3	0	Actual	Soils	578263.02	3751439.92	578263.38	3751439.75	-0.359	0.169
7/17/07 11:24 AM	904	83-14-904		66.3	96	0	0	Soils	2.4	0	Actual	Soils	578392.06	3751439.03	578391.91	3751439.12	0.146	-0.089
7/17/07 11:22 AM	905	83-14-905		1.8	48	0	0	Soils	1.3	0	Actual	Soils	578394.83	3751439.70	578394.71	3751440.06	0.115	-0.36
7/18/07 9:46 AM	906	84-14-906		21.5	8	0	320	Scrap Metal	2.7	12	Actual	Cultural	578438.29	3751439.79	578438.43	3751439.77	-0.143	0.018
7/23/07 12:28 PM	907	84-14-907		4.1	34	0	0	Soils	2	0	Actual	Soils	578450.74	3751439.37	578450.64	3751439.00	0.097	0.377
7/25/07 8:56 AM	809	82-14-908		4.5	1	-90	60	Frag	1.2	14	Actual	MD	578275.71	3751439.88	578275.73	3751440.06	-0.023	-0.174
7/19/07 9:22 AM	909	84-14-909		10.3	0	0	140	Halfshell	5.3	20	Actual	MD	578455.80	3751440.09	578455.82	3751440.03	-0.022	0.065
7/19/07 3:08 PM	910	84-14-910		47.6	77	0	0	Soils	4.1	0	Actual	Soils	578460.44	3751439.74	578460.41	3751439.64	0.028	0.102
7/25/07 10:27 AM	911	82-14-911		46.6	76	0	0	Soils	2	0	Actual	Soils	578257.97	3751440.38	578258.56	3751440.40	-0.591	-0.02
6/27/07 11:21 AM	912	83-14-912		13.3	60	0	0	Soils	1.9	0	Actual	Soils	578352.91	3751440.64	578353.40	3751440.84	-0.494	-0.198
7/16/07 1:48 PM	913	83-14-913		21.9	51	0	0	Soils	1.4	0	Actual	Soils	578371.61	3751440.48	578371.53	3751440.23	0.088	0.249
6/26/07 9:56 AM	914	82-14-914		79.9	60	-90	0	Seeds	9.8	45	Actual	Seed Item	578278.35	3751441.18	578278.50	3751441.11	-0.147	0.07
7/25/07 9:00 AM	915	82-14-915		43	30	45	280	Seeds	8.8	45	Actual	Seed Item	578260.91	3751441.77	578260.92	3751441.85	-0.009	-0.085
7/16/07 12:00 PM	916	83-14-916		37.3	67	0	0	Rock	3.2	0	Actual	Soils	578367.32	3751441.89	578367.27	3751441.55	0.054	0.341
7/16/07 9:23 AM	917	83-14-917		21.4	15	0	180	Halfshell	6.8	30	Actual	MD	578376.66	3751441.85	578376.48	3751441.69	0.184	0.163
7/19/07 2:52 PM	918	84-14-918		82.4	112	0	0	Soils	4.2	0	Actual	Soils	578498.00	3751442.07	578497.87	3751442.01	0.131	0.062
6/26/07 11:57 AM	919	82-14-919		41.7	80	0	0	Soils	2.5	0	Actual	Soils	578299.63	3751442.75	578299.47	3751442.41	0.163	0.346
7/11/07 2:04 PM	920	83-14-920		-2.1	12	-90	60	Frag	1.1	7	Actual	MD	578325.55	3751442.86	578325.40	3751442.52	0.154	0.344
7/18/07 9:48 AM	921	84-14-921		15.2	15		260	Scrap Metal	3.5	10	Actual	Cultural	578421.66	3751442.70	578421.80	3751442.70	-0.137	0.004
7/18/07 9:44 AM	922	84-14-922		53.2	7	0	180	Frag	2.1	6	Actual	MD	578452.15	3751442.95	578452.20	3751442.75	-0.049	0.202
7/19/07 3:04 PM	923	84-14-923		23.3	53	0	0	Soils	2.6	0	Actual	Soils	578469.62	3751442.77	578469.37	3751442.57	0.248	0.2
7/16/07 12:02 PM	924	83-14-924		27.2	57	0	0	Soils	3.3	0	Actual	Soils	578370.02	3751442.91	578370.40	3751443.47	-0.382	-0.561
7/19/07 8:40 AM	925	84-14-925		23.5	30	-90	0	Scrap Metal	1.6	25	Actual	Cultural	578489.24	3751443.28	578488.89	3751443.44	0.342	-0.156
6/26/07 10:04 AM	926	82-14-926		1	30	0	60	Frag	6.1	8	Approximate	MD	578285.25	3751444.09	578284.91	3751444.08	0.337	0.009
7/16/07 11:56 AM	927	83-14-927		9.8	40	0	0	Soils	1.6	0	Actual	Soils	578363.38	3751444.51	578363.26	3751444.73	0.117	-0.22
7/16/07 9:13 AM	928	83-14-928		28.8	40	-90	0	Baseplate	4.4	12	Actual	MD	578373.19	3751444.21	578373.31	3751443.93	-0.121	0.281
6/26/07 11:19 AM	929	82-14-929		6.3	73	0	0	Soils	1.5	0	Actual	Soils	578253.97	3751444.40	578253.99	3751444.15	-0.011	0.253
6/26/07 9:51 AM	930	82-14-930		36.1	20	45	80	Baseplate	4	12	Actual	MD	578270.64	3751444.51	578270.51	3751444.52	0.125	-0.016
6/27/07 11:25 AM	931	83-14-931		59	33	0	0	Baseplate	4.5	11	Approximate	MD	578355.30	3751444.66	578355.52	3751444.51	-0.22	0.156
6/27/07 10:14 AM	932	83-14-932		28.5	10	0	290	Halfshell	7.5	30	Actual	MD	578397.67	3751444.62	578397.80	3751444.60	-0.126	0.021
7/18/07 2:18 PM	933	84-14-933		109	100	0	-90	Seeds	10.2	45	Actual	Seed Item	578430.96	3751444.54	578430.66	3751444.47	0.297	0.021
7/17/07 2:18 PM	934	84-14-934		20.8	2	0	60	Halfshell	4.7	15	Actual	MD	578455.33	3751444.39	578455.44	3751444.45	-0.116	-0.063
7/19/07 3:05 PM	935	84-14-935		24.5	54	0	0	Soils	2.2	0	Actual	Soils	578468.19	3751444.34	578468.24	3751444.33	-0.057	0.003
7/16/07 11:55 AM	936	83-14-936		34.2	64	0	0	Soils	2.7	0	Actual	Soils	578366.27	3751444.90	578366.01	3751444.96	0.256	-0.055
6/26/07 11:55 AM	937	82-14-937		60.6	95	0	0	Soils	3.1	0	Actual	Soils	578299.19	3751445.61	578299.18	3751445.48	0.230	0.126
0/20/07 11.00 AW	931	02-14-337		00.0	90	U	U	30113	3.1	U	Actual	30113	310233.19	3731443.01	5/0233.10	3731443.40	0.000	0.120

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

7/11/07 12:13 PM 961 83-14-962 20.8 7 0 160 Halfshell 7.1 30 Actual Rock 578301.35 3751449.54 578301.74 3751449.55 -0.392 -0.01 67270/10:31 AM 962 83-14-962 20.8 7 0 160 Halfshell 7.1 30 Actual MD 578338.45 3751449.25 578338.49 3751449.25 578338.49 3751449.22 70.027 7/16/07 11:39 AM 963 83-14-963 17.1 47 0 0 0 Soils 2 0 Actual Soils 578398.03 3751449.32 578338.49 3751449.22 70.044 0.046 6/28/07 9:47 AM 964 82-14-964 16.3 0 0 90 Baseplate 3.8 11 Actual MD 578266.14 3751449.32 578308.02 3751449.88 0.074 0.446 6/28/07 9:47 AM 964 82-14-965 16.6 15 -45 330 Frag 1.6 19 Actual MD 578266.14 3751449.31 578266.20 3751449.19 0.194 0.162 7/16/07 11:35 AM 966 83-14-966 49 77 0 0 0 Soils 3.6 0 Actual Soils 578378.31 3751449.10 578378.38 3751449.14 -0.074 -0.04 7/18/07 2:33 PM 967 84-14-967 55 60 90 0 Scrap Metal 3.3 15 Actual Cultural 578440.61 3751449.10 578378.38 3751449.14 -0.074 -0.04 7/11/07 12:21 PM 968 83-14-969 25 2 0 330 Scrap Metal 5.8 40 Actual Cultural 578340.61 3751449.12 578440.75 3751449.12 -0.0138 0.008 7/16/07 8:39 AM 970 83-14-970 38.1 5 0 0 Nose Frag 4.2 7 Actual MD 578349.84 3751450.09 578313.64 3751450.09 -0.057 7/16/07 11:37 AM 972 83-14-970 38.1 5 0 0 Nose Frag 4.2 7 Actual MD 578349.84 3751450.09 578313.64 3751450.09 -0.067 7/16/07 11:37 AM 973 83-14-970 38.1 5 0 0 Nose Frag 4.2 7 Actual MD 578349.84 3751450.04 578383.96 3751449.09 -0.057 7/16/07 11:37 AM 973 83-14-970 38.1 5 0 290 Frag 3.1 1.3 0 Actual Soils 57838.22 3751449.84 578383.36 3751450.09 -0.057 7/16/07 11:37 AM 973 84-14-973 39.4 15 0 290 Frag 3.1 14 Actual MD 57848.95 3751449.97 57848.91 3751449.01 57848.91 3751450.09 -0.034 7/18/07 2:33 PM 976 84-14-975 90.1 120 0 0 Soils 4.5 0 Actual Soils 57838.72 3751449.84 578383.36 3751450.09 -0.034 7/18/07 2:33 PM 976 84-14-977 90.1 120 0 0 Soils 4.5 0 Actual Soils 57838.27 3751450.65 57833.61 3751450.09 -0.018 0.034 7/18/07 2:33 PM 978 82-14-977 90.1 120 0 0 Soils 4.5 0 Actual Soils 57838.62 7/375450.65 57833.61 3751450.09 -0.019 0.034 7/18/07 2:33 PM 978 82-14-977 90.1 120 0 0 Soils 4.5 0 Actual														UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
TimeStamp   Allas   Anomaly ID   Depth   Dep					(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
77/2007 146 PM 938 8014-939 749 60 90 0 Seech 97 45 Approximate Seet Imm 572822 15 3744627 572827 69 37514469 6 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.	TimeStamn	Δliae	Anomaly ID	Flag		Denth	Inclination	Azimuth	Identification		Length		Dia Type	Easting	Northing	Easting	Northing	A Easting	A Northing
77/3077 242 PM 999 83-14-939 2-42 60 0 0 564s 2.3 0 Actual Sois 578-98-86 27914-556 5798-90 1 37514-556 0-3992 0-3262 7778077152 AM 940 81-14-901 50-5 89 0 -45 350 Seeds 9.7 46 Actual Sois 578-98-86 27914-556 37514-570 0-1027 0-115 77907-300-PM 941 81-14-901 50-5 89 0 0 Soils 3-1 0 Actual Sois 578-98-86 27914-68 0 37514-570 0-1027 0-115 77907-300-PM 941 81-14-901 50-5 89 0 0 Soils 3-1 0 Actual Sois 578-98-86 27914-68 0 37514-570 0-1016 0-077 77907-300-PM 942 81-14-903 0-1029 0-102																		ŭ	Ū
71.6007 055 AM 399 83.94-939 24.2 54 0 0 564s 2.3 0 Actual Sole 3781845.88 57886.01 3791445.88 5781840.01 3791445.88 578180.01 3791445.89 0-3902 0-39								ŭ											
77/1807/1152/AM 940 B-14-940 59.8 30 4-5 350 Sends 9.7 45 Actual Send Irem 579418.2 3751445.2 579418.08 3751445.70 0.0127 0.215 0.71907/30.070 PM 1 B-14-941 59.5 89 0 0 Soils 3.1 0 Actual Soils 579818.16 3751446.2 579461.48 3751445.99 0.211 0.229 0.2707/1131/M 34 0.04 0.05 0.05 0.05 0.0 Actual MD 579818.0 3751446.2 579461.48 3751445.99 0.211 0.229 0.227 0.02																			
77/1907 320 PM  941  941 4-14941																			
7/1907 638 AM 942 84-14-942 20.2 19 0 320 Halfshell 2 10 Actual MD 578-94,69 3751-446,22 578-94,48 3751-446,10 0.113 0.026 52707 113 AM 948 83 1-4944 10.06 60 0 0 Solis 6.3 0 Actual MD 578-37.06 3751-446,22 76937-3.00 3751-446,20 0.031 0.04 114-946 39.4 114-946 20.4 8 0 0 0 Baseplate 4.4 12 Actual MD 578-37.06 3751-446,27 57937-3.00 3751-446,20 0.04 0.04 114-946 39.4 114-946 20.4 8 0 0 0 Baseplate 4.4 12 Actual MD 578-37.66 3751-446,27 578-370,0 3751-446,20 0.04 0.04 114-946 39.4 114-946 20.4 8 0 0 0 Baseplate 4.4 12 Actual MD 578-37.66 3751-446,27 578-377,7 0.3751-446,00 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0																			
6277017131 AM   943   83-14-943   222   3																			
627707 1/227 AM 944 83-14-944 52.2 3 0 0 60 Holfshell 7,8 30 Actual MD 578373.08 3751446.87 187375.00 3751446.33 0.031 0.047 17/1607 90.94 M 945 83-14-94-95 38.1 36 -90 0 Baseplate 4.4 12 Actual MD 578373.08 3751446.87 375146.64 0.071 -0.068 19747097.24 PM 947 84-14-9407 22.4 8 9-0 0 Baseplate 4.4 12 Actual MD 578373.08 3751446.67 578473.1 3751446.64 0.071 -0.068 19747097.24 PM 947 84-14-9407 22.4 8 9-0 0 Solis 5.3 0 Actual Solis 578498.0 3751446.0 378444.0 57 0.431 0.026 17/2507 92.7 M 948 82-14-940 88 119 0 0 0 Solis 5.3 0 Actual Solis 578249.0 3751446.21 578493.1 3751446.67 0.031 0.026 17/2507 92.7 M 949 82-14-940 88 118 0 0 Solis 5.7 M 949 82-14-940 88 118 0 0 Solis 5.7 M 949 82-14-940 88 118 0 0 Solis 5.7 M 949 82-14-940 88 118 0 0 Solis 5.7 M 949 82-14-950 42.2 72 0 0 Solis 3.7 0 Actual Solis 578498.8 3751447.1 578495.3 2751446.9 0.031 0.0167 17/2507 112.0 AM 950 84-14-950 42.2 72 0 0 Solis 3.7 0 Actual Solis 578498.8 3751447.1 578495.3 2751447.19 0.167 0.0555 197495.0 197495.3 2751447.19 0.167 0.0555 197495.0 197495.3 2751447.19 0.167 0.0555 197495.0 197495.3 2751447.19 0.167 0.0555 197495.0 197495.3 2751447.19 0.167 0.0555 197495.0 197495.3 2751447.19 0.167 0.0555 197495.0 197495.3 2751447.19 0.167 0.0555 197495.0 197495.3 2751447.19 0.167 0.0555 197495.0 197495.3 2751447.19 0.167 0.0555 197495.0 197495.3 2751447.19 0.167 0.0555 197495.0 197495.3 2751447.19 0.167 0.0555 197495.0 197495.3 2751447.19 0.167 0.0555 197495.0 197495.3 2751447.19 0.167 0.0555 197495.0 197495.3 2751447.19 0.167 0.0555 197495.0 197495																			
7/16/07/19/09 AM 945 83-14-945 38.1 38 -90 0 Basepinte 4.2 12 Actual MD 5783/5.89 3751446.48 578376.07 3751446.64 0.0.77 1/19/07 19/19/04 46 81-19-946 29.4 8 -90 0 Basepinte 4.2 12 Actual MD 578776.69 3751446.57 5784777.4 0.0.71 0.0.008 1/19/07 1/19/07 11/19/07 11/19/07 49/19/07 49/19/07 11/19/07 11/19/07 49/19/07 49/19/07 11/19/07 11/19/07 49/19/07 49/19/07 11/19/07 11/19/07 49/19/07 49/19/07 11/19/07 11/19/07 49/19/07 49/19/07 11/19/07 11/19/07 49/19/07 11/19/07 11/19/07 49/19/07 11/19/07 11/19/07 49/19/07 49/19/07 11/19/07 11/19/07 49/19/07 11/19/07 11/19/07 49/19/07 11/19/07 11/19/07 49/19/07 11/19/07 11/19/07 49/19/07 11/19/07/07/07/07/07/07/07/07/07/07/07/07/07/											_								
7/1907/219 AV 346 84-14-946 29.4 8 -90 0 Baseplate 4.4 12 Actual MD 578477.6 3751446.57 578477.74 3751446.64 0.071 -0.068 777907/219 PM 47 84-14-947 28.4 58 0 0 Sole 5.3 0 Actual Sole 57849.8 39 571440.2 57849.95 3751446.75 0.023 771907/119 PM 94 84-14-949 88 118 0 0 Sole 5.3 0 Actual Sole 578249.99 3751440.2 578249.8 3751446.2 0.023 771907/1120 AM 95 84-14-950 42.2 72 0 0 Sole 5.3 0 Actual Sole 578249.99 3751440.2 578249.8 3751446.2 0.023 771907/1120 AM 95 84-14-950 42.2 72 0 0 Sole 3.3 7 0 Actual Sole 578268.3 3751447.9 0.1672 -0.055 62507/1120 AM 95 84-14-950 49.2 2 72 0 0 Sole 3.3 7 0 Actual Sole 578268.3 3751447.9 0.1672 -0.055 62507/1120 AM 95 84-14-950 49.2 2 72 0 0 Sole 3.3 7 0 Actual Sole 578268.3 3751447.9 0.1672 -0.055 62507/1120 AM 95 84-14-950 49.2 2 72 0 0 Sole 3.3 9 O Actual Sole 578268.3 3751447.9 0.1672 -0.055 62507/1120 AM 95 82-14-952 93.6 30 0 0 0 No Contact 5.1 0 Actual No Contact 578263.34 3751447.9 3751447.9 0.1672 -0.034 62507/1120 AM 95 82-14-952 93.6 30 0 0 0 Socrap Metal 1.8 9 Actual Outbral 578257.37 3751447.9 357824.9 3751447.9 0.055 60.056 62507 94.0 4 0.0 5 62507 94.0																			
7/1907/249PM 947 84-14-947 828.4 58 0 0 0 Soite 2.8 0 Actual Soils 578493.8 3751446.52 3751446.75 0.431 0.105 7/1907/1123 MM 949 82-14-949 88 119 0 0 Soite 5.3 0 Actual Soils 57849.8 3751446.52 3751446.75 3751446.75 0.438 0.105 7/1907/1123 MM 950 84-14-949 88 119 0 0 Soite 6.7 0 Actual Soils 57849.8 3751447.18 37649.53 3751446.8 0.493 0.015 7/1907/1123 MM 950 84-14-950 42.2 72 0 0 Soite 6.7 0 Actual Soils 57849.8 3751447.18 37649.5 3751446.8 0.493 0.015 7/1907/1123 MM 950 84-14-950 42.2 72 0 0 Soite 3.9 0 Actual Soils 57849.8 3751447.1 97849.9 3751446.8 0.493 0.015 7/1907/1123 MM 950 84-14-950 42.2 72 0 0 N Soite 3.9 0 Actual Soite 57825.8 3751446.5 37824.8 3751446.8 0.493 0.015 7/1907/1123 MM 950 82-14-951 48.9 45 0 0 N Soite 3.9 0 Actual Soite 57825.8 3751446.5 37825.4 3751446.9 0.492 0.024 7/1907/1907/1907/1907/1909 M 952 82-14-952 93.8 30 0 0 N Soite 3.9 0 Actual Cultural S7828.8 3751446.5 37828.8 375144.9 0.493 0.058 7/1907/227/PM 955 84-14-953 178.8 12 0 250 Scrap Metal 3.9 Actual Cultural S7828.9 3751447.9 37828.9 3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 37828.9 0.3751447.9 0.075149.9 0																			
772507 927 AM 948 82-14-949 89 1119 0 0 Solis 5.3 0 Actual Solis 57249.99 3751446.21 578249.58 3751446.23 0.408 -0.023 171907 1120 AM 949 84-14-949 88 118 0 0 Solis 6.7 0 Actual Solis 57849.58 13751447.18 57849.52 3751446.87 0.493 0.315 171907 1120 AM 949 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 84-14-950 94-14-950 84-14-950								Ŭ											
77/907 11:23 AM 949 98.4 14:9490			-					ŭ											
7/1907 11:20 AM 950 84-14-950 42.2 72 0 0 0 Solis 3.7 0 Actual Solis 578268.8 375144.7 14 57849.9 11 3751447.19 -0.167 -0.055 (20707 11:50 AM 951 82-14-951 48.9 45.0 0 0 Solis 3.9 0 Actual Solis 578258.8 375144.7 58 57825.8 3 57826.4 22 3751447.6 6 -0.48 -0.033 (20707 10:50 AM 951 82-14-952 3.0 0 0 0 No Contact 5.1 0 Actual No Contact 578268.8 375144.7 63 57826.8 22 3751447.6 6 -0.48 -0.033 (20707 10:50 AM 953 82-14-953 17.8 12 0 250 Scrap Metal 1 8 9 Actual Cultural 57828.7 375144.7 63 57826.8 2 375144.7 63 57826.8 2 375144.7 63 57826.8 2 375144.7 63 57826.8 2 375144.7 63 57826.8 2 375144.7 63 57826.8 2 375144.7 63 57826.8 2 375144.7 63 57826.8 2 375144.7 63 57826.8 2 375144.7 63 57826.8 2 37514.7 63 57826.8 2 37								ŭ											
6/26/07 11:15 AM 951 82:14-951 49.9 45 0 0 0 Soils 3.9 0 Actual Soils 578252.88 3751446.55 578253.41 3751446.50 -0.527 -0.344 62607 91.8 AM 952 82:14-952 93.6 3.0 0 0 No Contact 5.0 0 Actual No. C																			
6/2607 9/3-8 AM   952   82-14-952   93.6   30   0   0   No Contact   5.1   0   Actual   No Contact   5.7863.84   3751447.66   -0.48   -0.032   6/2607 102-8   Am   953   82-14-953   17.8   12   0   2.50   Scrap Metal   18   9   Actual   Cultural   578315.90   3751447.32   3751447.65   -0.058   -0.068   -0.067   -0.0																			
CZBOT 1.006 AM   953   82-14-953   82-14-954   84-14-954   84-14-954   84-14-954   84-14-954   84-14-954   84-14-954   84-14-954   84-14-955   84-14								ŭ											
7/11/07 2-01 PM 958 8-14-956 60.5 40 -90 0 Scrap Metal 3 9 Actual Cultural 578315-90 3751447.25 578315.76 3751447.25 0.137 0.276 1/18/07 2-19/1																			
7/18/07/2-27 PM 955 84-14-955 60.5 40 -90 0 Seeds 9 45 Approximate Seed Item 579247-50 3751447.43 578442-94 3751447.52 -0.045 -0.089 (562607 12-20 PM 956 82-14-956 55.3 60 0 99 Seeds 8.3 45 Actual Seed Item 57927.56 3751447.81 57827.56 3751447.82 -0.045 -0.117																			
62607 12:20 PM   956   82-14-956   55.3   60   0   90   Seeds   8.3   45   Actual   Seed term   578277.67   3751447.78   578277.56   3751447.73   0.115   0.137												Actual							
7/16/07 11:0:01 AM   957   83-14-957   30.4   61   0   0   Solis   2.2   0   Actual   Solis   578344.27   3751448.18   578344.63   3751448.30   0.365   -0.117   7/17/07 24.9 PM   958   84-14-958   9.4   12   -4.5   320   Baseplate   3.2   12   Actual   MD   578459.95   3751447.84   578459.95   3751447.89   -0.003   -0.055	7/18/07 2:27 PM	955	84-14-955			40	-90	-	Seeds	9	45	Approximate	Seed Item	578442.90	3751447.43	578442.94	3751447.52	-0.045	-0.089
7/17/07/2-49 PM 988 84-14-986 9,4 12 -45 320 Baseplate 3.2 12 Actual MD 578459,9 3751447.84 578459.9 3751447.89 -0.003 -0.055   6/26/07 10:09 AM 959 82-14-969 25.8 20 0 0 0 Frag 2.2 7 Actual MD 578297.41 3751448.73 578297.33 3751447.89 -0.003 -0.055   7/25/07 10:34 AM 960 82-14-960 39.6 69 0 0 0 Soils 2.2 0 Actual Soils 578272.17 3751448.74 578272.68 3751448.41 -0.505 0.337   7/11/07 12:13 PM 961 83-14-961 51.6 20 0 0 0 Rock 2.4 3 Actual Rock 578301.35 3751449.54 578301.74 3751448.81 0.055 0.392   7/11/07 12:13 PM 961 83-14-961 51.6 20 0 0 0 Rock 2.4 3 Actual Rock 578301.35 3751449.54 578301.74 3751449.52 0.0392   -0.01 62/070 10:31 AM 962 83-14-963 17.1 47 0 0 0 Soils 2 0 Actual Rock 578301.33 3751449.52 578338.49 3751449.25   -0.021 7/16/07 11:39 AM 963 83-14-963 17.1 47 0 0 0 Soils 2 0 Actual Rock 578303.3 3751449.32 578338.9 3751449.88 0.074 0.446   -0.626/07 91-47 AM 964 82-14-964 16:3 0 0 9 Baseplate 3.8 11 Actual MD 578266.14 3751449.31 578266.0 3751449.39 0-0.058   -0.066 7/16/07 81-34 AM 965 83-14-965 16:6 15 -45 330 Frag 1.6 19 Actual MD 578266.14 3751449.13 157266.0 3751449.39 0-0.058   -0.066 7/16/07 11:45 AM 966 83-14-966 49 77 0 0 0 Soils 3.6 0 Actual Soils 578378.31 3751449.19 67838.23 3751449.19 0-0.04   -0.047 7/16/07 11:45 AM 968 83-14-966 49 77 0 0 0 Soils 3.6 0 Actual Soils 578378.31 3751449.19 578348.23 3751449.19 0-0.04   -0.047 7/16/07 11:27 PM 968 84-14-968 44.2 30 45 350 Seeds 8.7 45 Approximate Seed Item 678472.62 3751449.28 578440.75 3751449.12 0-0.138 0.008   -0.067 7/16/07 11:51 AM 971 83-14-970 38.1 5 0 0 Nose Frag 4.2 7 Actual MD 578349.49 3751449.19 578349.39 3751449.19 0-0.057 0-0.067 0							0	90				Actual							
6/26/07/10:09 AM 959 82:14-959 25.8 20 0 0 Frag 2.2 7 Actual MD 578297.41 3751448.37 578297.33 3751448.39 0.084 -0.021 7725070 10:34 AM 960 82:14-960 39.6 69 0 0 Solls 2.2 0 Actual Rock 578301.35 3751448.47 578272.68 3751448.41 -0.505 0.337 7111/107 12:13 PM 961 83:14-960 51.6 20 0 0 Rock 2.4 3 Actual Rock 578301.35 3751449.54 578301.74 3751448.54 578301.74 3751448.54 0.505 0.337 7116/07 11:39 AM 962 83:14-962 20.8 7 0 160 Halfshell 7.1 30 Actual MD 578338.45 3751449.25 578388.49 3751449.22 -0.044 0.027 0.011 0	7/16/07 10:01 AM	957	83-14-957		30.4	61	0	0	Soils	2.2	0	Actual	Soils	578344.27	3751448.18	578344.63	3751448.30	-0.365	-0.117
7/72507 10:34 AM 960 82-14-960 981 83-14-960 516 20 0 0 Rock 2.4 3 Actual Rock 578301.73 3751448.74 578272.68 3751448.41 -0.505 0.337 771107 12:13 PM 961 83-14-961 51.6 20 0 0 Rock 2.4 3 Actual Rock 578301.34 3751449.45 578301.74 3751449.55 -0.3392 -0.01 6627107 10:31 AM 962 83-14-962 20.8 7 0 160 Halishell 7.1 30 Actual MD 578338.45 3751449.45 578338.49 3751449.22 -0.044 0.027 771607 11:39 AM 963 83-14-963 17.1 47 0 0 Soils 2 0 Actual Soils 578380.33 3751449.32 578380.26 3751448.88 0.074 0.446 826707 94.7 AM 964 82-14-964 1.65.3 0 0 0 90 Baseplate 3.8 11 Actual MD 57826.41 3751449.31 57826.62 3751449.89 0.058 -0.068 771607 8:34 AM 965 83-14-965 16.6 15 -45 330 Frag 1.6 19 Actual MD 57826.41 3751449.36 578342.31 3751449.19 0.194 0.162 771607 11:34 AM 966 83-14-966 49 77 0 0 Soils 3.6 0 Actual Soils 578378.31 3751449.10 578378.38 3751449.19 0.194 0.162 771607 11:45 AM 966 83-14-966 49 77 0 0 Soils 3.6 0 Actual Soils 578378.31 3751449.10 578378.38 3751449.19 0.008 772307 12:17 PM 968 84-14-967 55 60 -90 0 Scrap Metal 3.3 15 Actual Cultural S7844.06 13 3751449.12 57844.07 5 3751449.12 -0.138 0.008 772307 12:17 PM 968 84-14-968 0.25 2 0 0 330 Scrap Metal 5.8 40 Actual Soils 578378.31 3751450.01 578378.38 3751449.52 -0.138 0.008 771607 11:51 AM 970 83-14-970 38.1 5 0 0 NoseFrag 4.2 7 Actual MD 578349.48 3751450.01 578381.94 3751450.25 0.067 0.249 771607 11:51 AM 971 83-14-971 63.5 93 0 0 Soils 3.6 0 Actual Soils 57838.23 3751449.81 3751450.25 0.067 0.249 771607 11:51 AM 971 83-14-971 63.5 93 0 0 Soils 3.6 0 Actual Soils 57836.09 3751449.98 3751449.52 0.067 0.249 771607 11:51 AM 971 83-14-971 63.5 93 0 0 Soils 3.6 0 Actual Soils 57836.09 3751449.49 3751450.25 0.067 0.249 771607 11:51 AM 971 83-14-971 63.5 93 0 0 Soils 3.6 0 Actual Soils 57836.09 3751450.01 578381.99 3751449.52 0.067 0.249 771607 11:51 AM 971 83-14-971 63.5 93 0 0 Soils 3.6 0 Actual Soils 57836.09 3751450.01 578361.99 3751449.91 0.232 0.055 0.067 0.249 0.249 0.249 0.249 0.249 0.249 0.249 0.249 0.249 0.249 0.249 0.249 0.249 0.249 0.249 0.249 0.249 0.24		958	84-14-958		9.4		-45	320	Baseplate	3.2	12	Actual		578459.95	3751447.84	578459.95	3751447.89	-0.003	-0.055
7/11/07 12:13 PM 961 83-14-961 51.6 20 0 0 Rock 2.4 3 Actual Rock 578301.35 3751449.54 578301.74 3751449.55 0.392 0.01 6/27/07 10:31 AM 962 83-14-962 20.8 7 0 160 Halfshell 7.1 30 Actual MD 578338.45 3751449.25 578338.49 3751449.25 3	6/26/07 10:09 AM	959	82-14-959		25.8	20	0	0	Frag	2.2	7	Actual		578297.41	3751448.37	578297.33	3751448.39	0.084	-0.021
6/27/07 10:31 AM 962 83:14-962 20.8 7 0 160 Halfshell 7.1 30 Actual MD 57838.45 3751449.25 57838.49 3751449.22 -0.044 0.027 7/16/07 11:39 AM 963 83:14-963 17.1 47 0 0 Soils 2 0 Actual Soils 578380.33 3751449.32 578380.26 3751448.88 0.074 0.446 (26/207 9.4 AM 964 16.3 0 0 90 Baseplate 3.8 11 Actual MD 578266.14 375149.31 578266.20 3751449.89 0.058 -0.066 7/16/07 8:34 AM 965 83:14-965 16.6 15 -45 330 Frag 1.6 19 Actual MD 578345.50 3751449.36 578342.31 3751449.19 0.194 0.162 7/16/07 11:45 AM 966 83:14-966 49 77 0 0 Soils 3.6 0 Actual Soils 578378.31 3751449.10 578378.38 3751449.19 0.194 0.162 7/16/07 11:45 AM 968 84:14-966 55 60 -90 0 Scrap Metal 3.3 15 Actual Cultural S7840.61 3751449.28 57847.25 3751449.52 -0.131 0.008 7/23/07 12:17 PM 968 84:14-968 44.2 30 45 350 Seeds 8.7 45 Approximate Seed Item 578472.62 3751449.28 578472.75 3751449.52 -0.131 0.024 7/16/07 11:51 AM 971 83:14-971 63.5 93 0 0 Scrap Metal 5.8 40 Actual Cultural S78313.63 3751449.84 573450.39 0.067 0.067 7/16/07 11:37 AM 972 83:14-972 38:14-972 38:14-973 39.4 45 90 Soils 3.6 0 Actual Soils 578382.23 3751449.28 578472.75 3751449.52 -0.131 0.024 7/16/07 11:37 AM 972 83:14-973 39.4 45 0 0 Soils 3.6 0 Actual Soils 578383.23 3751449.28 578472.75 3751449.52 -0.131 0.024 7/16/07 11:37 AM 972 83:14-971 63.5 93 0 0 Soils 3.6 0 Actual Soils 578382.29 3751449.84 578383.63 3751450.09 0.067 0	7/25/07 10:34 AM	960	82-14-960		39.6	69	0	0	Soils	2.2	0	Actual	Soils	578272.17	3751448.74	578272.68	3751448.41	-0.505	0.337
7/16/07 11:39 AM 963 83-14-963	7/11/07 12:13 PM	961	83-14-961		51.6	20	0		Rock	2.4		Actual	Rock	578301.35	3751449.54	578301.74	3751449.55	-0.392	-0.01
6/26/07 9:47 AM 964 82-14-964 16.3 0 0 90 Baseplate 3.8 11 Actual MD 578266.14 3751449.31 578266.20 3751449.38 -0.058 -0.066 7/16/07 8:34 AM 965 83-14-965 16.6 15 -45 330 Frag 1.6 19 Actual MD 578342.50 3751449.36 578342.31 3751449.19 0.194 0.162 7/16/07 1:34 AM 966 83-14-966 49 77 0 0 0 Soils 3.6 0 Actual Soils 578378.31 3751449.10 578378.38 3751449.11 0.074 -0.04 7/18/07 2:33 PM 967 84-14-967 55 60 -90 0 Scrap Metal 3.3 15 Actual Cultural 578440.61 3751449.12 578440.75 3751449.12 -0.138 0.008 7/23/07 12:17 PM 968 84-14-968 44.2 30 45 350 Seeds 8.7 45 Approximate Seed Item 578472.62 3751449.28 578472.75 3751449.52 -0.131 -0.24 7/16/07 11:51 PM 969 83-14-969 25 2 0 0 330 Scrap Metal 5.8 40 Actual Cultural 578313.63 3751450.09 578313.64 3751450.03 -0.005 0.061 7/16/07 11:51 AM 971 83-14-970 38.1 5 0 0 Nose Frag 4.2 7 Actual MD 578349.8 3751450.00 578349.41 3751450.03 -0.0579 7/16/07 11:51 AM 972 83-14-973 39.4 15 0 290 Frag 3.1 14 Actual MD 57842.9 3751449.12 578448.91 3751450.09 -0.055 7/18/07 9:47 AM 973 84-14-973 39.4 15 0 290 Frag 3.1 14 Actual MD 57848.59 3751449.7 578448.91 3751450.00 -0.318 -0.253 7/18/07 9:42 AM 974 84-14-974 52.5 10 -45 90 Frag 3.1 14 Actual MD 57848.59 3751449.7 578448.91 3751450.00 -0.318 -0.253 7/18/07 9:19 AM 977 82-14-977 90.1 120 0 0 Soils 7.6 0 Actual Soils 578385.40 3751450.15 578362.70 3751449.61 0.232 -0.162 7/18/07 9:19 AM 977 82-14-977 90.1 120 0 0 Soils 7.6 0 Actual Soils 578385.45 3751449.7 57848.91 3751450.55 -0.005 0 7/18/07 9:19 AM 977 82-14-977 90.1 120 0 0 Soils 7.6 0 Actual Soils 578381.45 578381.45 3751450.55 57836.7 0 -0.412 -0.172 7/18/07 9:19 AM 977 82-14-977 90.1 120 0 0 Soils 7.6 0 Actual Soils 578381.45 578381.7 3751450.55 -0.005 0 7/18/07 9:19 AM 977 82-14-977 90.1 120 0 0 Soils 7.6 0 Actual Soils 578381.45 578381.47 3751450.65 -0.274 -0.201 7/25/07 9:19 AM 978 82-14-978 75.2 108 0 0 Soils 7.6 0 Actual Soils 578381.45 5751451.55 578361.70 3751450.05 0 0.034 7/25/07 11:30 AM 978 82-14-978 75.2 108 0 0 Soils 2.7 0 Actual Soils 578381.45 5751451.55 578361.70 375	6/27/07 10:31 AM	962	83-14-962		20.8	7	0	160	Halfshell	7.1	30	Actual	MD	578338.45	3751449.25	578338.49	3751449.22	-0.044	0.027
7/16/07 8:34 AM 965 83-14-965 16.6 15 -45 330 Frag 1.6 19 Actual MD 578342.50 3751449.36 578342.31 3751449.19 0.194 0.162 7/16/07 11:45 AM 966 83-14-966 49 77 0 0 0 Soils 3.6 0 Actual Soils 578378.31 3751449.10 578378.38 3751449.14 -0.074 -0.04 7/18/07 2:33 PM 967 84-14-967 55 60 -90 0 Scrap Metal 3.3 15 Actual Cultural 578440.61 3751449.12 578440.75 3751449.12 -0.138 0.008 7/23/07 12:17 PM 968 84-14-968 44.2 30 45 350 Seeds 8.7 45 Approximate Seed Item 578472.62 3751449.28 578472.75 3751449.12 -0.138 0.008 7/16/07 12:17 PM 968 83-14-969 25 2 0 330 Scrap Metal 5.8 40 Actual Cultural 578313.63 3751449.10 578349.85 578472.75 3751449.12 -0.138 0.006	7/16/07 11:39 AM	963	83-14-963		17.1	47	0	0	Soils	2	0	Actual	Soils	578380.33	3751449.32	578380.26	3751448.88	0.074	0.446
7/16/07 11:45 AM 966 83-14-966 49 77 0 0 Soils 3.6 0 Actual Soils 578378.31 3751449.10 578378.38 3751449.14 -0.074 -0.04 7/18/07 2:33 PM 967 84-14-967 55 60 -90 0 Scrap Metal 3.3 15 Actual Cultural 578440.61 3751449.12 578440.75 3751449.12 -0.138 0.008 7/12/3/07 12:17 PM 968 84-14-968 44.2 30 45 350 Seeds 8.7 45 Approximate Seed Item 578472.62 3751449.28 578472.75 3751449.52 -0.131 -0.24 7/11/07 12:21 PM 969 83-14-969 25 2 0 330 Scrap Metal 5.8 40 Actual Cultural 578313.63 3751450.09 578313.64 3751450.03 -0.005 0.061 7/16/07 8:39 AM 970 83-14-970 38.1 5 0 0 Nose Frag 4.2 7 Actual MD 578349.48 3751450.01 578349.41 3751450.25 0.067 -0.249 7/16/07 11:51 AM 971 83-14-971 63.5 93 0 0 Soils 3.6 0 Actual Soils 578383.22 3751449.24 578361.99 3751450.99 0.095 -0.579 7/16/07 9:47 AM 973 84-14-973 39.4 15 0 290 Frag 3.1 14 Actual MD 57842.93 3751449.5 57842.70 3751449.61 0.232 -0.138 -0.252 7/18/07 9:47 AM 974 84-14-974 52.5 10 -45 90 Frag 2.9 8 Actual MD 578448.99 3751449.75 578448.91 3751450.05 0.087 7/18/07 9:42 AM 976 84-14-976 55.3 85 0 0 Soils 4.5 0 Actual Soils 578383.70 3751449.75 578448.91 3751450.05 0.034 7/25/07 9:19 AM 977 82-14-977 90.1 120 0 0 Soils 4.5 0 Actual Soils 578381.70 3751449.75 57848.89 3751450.18 -0.116 0.034 7/25/07 9:19 AM 977 82-14-977 90.1 120 0 0 Soils 7.6 0 Actual Soils 578274.04 3751450.25 578251.37 3751450.08 -0.274 -0.201 7/25/07 9:19 AM 978 82-14-977 90.1 120 0 0 Soils 7.6 0 Actual Soils 578274.04 3751450.15 578274.45 3751450.18 -0.116 0.034 7/25/07 9:19 AM 978 82-14-977 90.1 120 0 0 Soils 7.6 0 Actual Soils 578274.04 3751450.15 578274.45 3751450.08 -0.252 7/16/07 11:40 AM 980 83-14-980 83.7 113 0 0 Soils 3.8 0 Actual Soils 578381.45 3751451.54 578381.71 3751450.68 -0.258 7/16/07 11:40 AM 980 83-14-980 83.7 113 0 0 Soils 4 0 Actual Soils 578381.45 3751451.55 578381.71 3751450.88 -0.258 7/16/07 11:40 AM 980 83-14-980 83.7 113 0 0 Soils 4 0 Actual Soils 578381.45 3751451.55 578381.71 3751450.88 -0.258 7/16/07 11:40 AM 980 83-14-980 83.7 113 0 0 Soils 3.8 0 Actual Soils 578381.45 3751451.5	6/26/07 9:47 AM	964	82-14-964		16.3	0	0	90	Baseplate	3.8	11	Actual	MD	578266.14	3751449.31	578266.20	3751449.38	-0.058	-0.066
7/18/07 2:33 PM   967   84-14-967   55   60   -90   0   Scrap Metal   3.3   15   Actual   Cultural   578440.61   3751449.12   578440.75   3751449.12   -0.138   0.008     7/12/07 12:17 PM   968   84-14-968   44.2   30   45   350   Seeds   8.7   45   Approximate   Seed Item   578472.62   3751449.28   578472.75   3751449.52   -0.131   -0.24     7/11/07 12:21 PM   969   83-14-969   25   2   0   330   Scrap Metal   5.8   40   Actual   Cultural   578313.63   3751450.09   578313.64   3751450.03   -0.005   0.061     7/16/07 8:39 AM   970   83-14-970   38.1   5   0   0   Nose Frag   4.2   7   Actual   MD   578349.48   3751450.01   578349.41   3751450.25   0.067   -0.249     7/16/07 11:51 AM   971   83-14-971   63.5   93   0   0   Soils   3.6   0   Actual   Soils   578362.09   3751450.42   578361.99   3751450.99   0.095   -0.579     7/18/07 9:47 AM   972   83-14-972   1.8   40   0   0   Soils   1.3   0   Actual   Soils   578383.22   3751449.84   578383.36   3751450.09   -0.138   -0.252     7/18/07 9:42 AM   974   84-14-973   39.4   15   0   290   Frag   3.1   14   Actual   MD   578449.59   3751449.67   578449.61   0.232   -0.162     7/18/07 9:42 AM   974   84-14-974   52.5   10   -45   90   Frag   2.9   8   Actual   MD   578449.59   3751449.77   578449.81   3751450.55   -0.005   0.05     7/18/07 2:33 PM   976   84-14-976   55.3   85   0   0   Soils   4.5   0   Actual   Soils   57838.70   3751450.25   578306.74   3751450.55   -0.005   0.05     7/18/07 2:33 PM   976   84-14-976   55.3   85   0   0   Soils   4.5   0   Actual   Soils   578274.04   3751450.15   578251.37   3751450.79   -0.274   -0.201     7/25/07 9:19 AM   977   82-14-977   90.1   120   0   0   Soils   3.8   0   Actual   Soils   57838.74   3751450.15   578336.16   3751450.08   -0.258   0.856     6/27/07 11:38 AM   979   83-14-990   56.8   60   0   0   Soils   2.7   0   Actual   Soils   578381.45   3751451.55   578336.17   3751450.68   -0.258   0.856   -0.258   0.856   -0.258   0.856   -0.258   -0.258   -0.258   -0.258   -0.258   -0.258   -0.258   -0.258   -	7/16/07 8:34 AM	965	83-14-965		16.6	15	-45	330	Frag	1.6	19	Actual	MD	578342.50	3751449.36	578342.31	3751449.19	0.194	0.162
7/23/07 12:17 PM 968 84-14-968 44.2 30 45 350 Seeds 8.7 45 Approximate Seed Item 578472.62 3751449.28 578472.75 3751449.52 -0.131 -0.24 7/11/07 12:21 PM 969 83-14-969 25 2 0 330 Scrap Metal 5.8 40 Actual Cultural 578313.63 3751450.09 578313.64 3751450.03 -0.005 0.061 7/16/07 13:39 AM 970 83-14-970 38.1 5 0 0 Nose Frag 4.2 7 Actual MD 578349.48 3751450.01 578349.41 3751450.25 0.067 -0.249 7/16/07 11:37 AM 971 83-14-971 63.5 93 0 0 Soils 3.6 0 Actual Soils 578362.09 3751450.49 578383.99 3751450.99 0.095 -0.579 11:37 AM 972 83-14-972 1.8 40 0 0 0 Soils 1.3 0 Actual Soils 578383.22 3751449.84 578383.36 3751450.99 -0.138 -0.252 7/18/07 9:47 AM 973 84-14-973 39.4 15 0 290 Frag 3.1 14 Actual MD 57842.93 3751449.45 578422.70 3751449.61 0.232 -0.162 7/18/07 9:42 AM 974 84-14-974 52.5 10 -45 90 Frag 2.9 8 Actual MD 578448.59 3751449.77 578448.91 3751450.02 -0.318 -0.253 7/11/07 12:18 PM 975 83-14-975 16.1 7 0 180 Scrap Metal 4.7 17 Actual Cultural 578306.74 3751450.55 578306.74 3751450.55 -0.005 0 7/18/07 9:19 AM 978 82-14-977 90.1 120 0 0 Soils 4.5 0 Actual Soils 57824.40 3751450.55 578306.74 3751450.55 578306.74 3751450.55 578245.35 578251.37 3751450.55 -0.005 0 7/18/07 9:19 AM 978 82-14-977 90.1 120 0 0 Soils 7.6 0 Actual Soils 578251.10 578251.37 3751450.35 -0.274 -0.201 7/25/07 9:19 AM 978 82-14-978 95 56.8 60 0 0 Soils 3.8 0 Actual Soils 57836.27 3751451.55 578236.16 3751450.02 0.104 0.222 7/16/07 11:30 AM 980 83-14-980 83.7 113 0 0 0 Soils 2.7 0 Actual Soils 57836.27 3751451.55 57838.171 3751450.68 -0.258 0.856	7/16/07 11:45 AM	966	83-14-966		49	77	0	0	Soils	3.6	0	Actual	Soils	578378.31	3751449.10	578378.38	3751449.14	-0.074	-0.04
7/11/07 12:21 PM 969 83-14-969 25 2 0 330 Scrap Metal 5.8 40 Actual Cultural 578313.63 3751450.09 578313.64 3751450.03 -0.005 0.061 7/16/07 8:39 AM 970 83-14-970 38.1 5 0 0 Nose Frag 4.2 7 Actual MD 578349.48 3751450.01 578349.41 3751450.25 0.067 -0.249 7/16/07 11:51 AM 971 83-14-971 63.5 93 0 0 Soils 3.6 0 Actual Soils 578362.09 3751450.42 578361.99 3751450.99 0.095 -0.579 7/16/07 11:37 AM 972 83-14-972 1.8 40 0 0 Soils 1.3 0 Actual Soils 578383.22 3751449.84 578383.36 3751450.09 -0.138 -0.252 7/18/07 9:47 AM 973 84-14-973 39.4 15 0 290 Frag 3.1 14 Actual MD 578442.93 3751449.45 578422.70 3751449.61 0.232 -0.162 7/18/07 12:18 PM 974 84-14-974 52.5 10 -45 90 Frag 2.9 8 Actual MD 578448.59 3751449.77 578448.91 3751450.02 -0.318 -0.253 7/11/07 12:18 PM 975 83-14-975 16.1 7 0 180 Scrap Metal 4.7 17 Actual Cultural 578306.74 3751450.25 578306.74 3751450.18 -0.116 0.034 7/25/07 9:19 AM 977 82-14-977 90.1 120 0 0 Soils 4.5 0 Actual Soils 578387.0 3751450.21 578438.82 3751450.18 -0.116 0.034 7/25/07 9:19 AM 977 82-14-977 90.1 120 0 0 Soils 3.8 0 Actual Soils 578251.0 3751450.25 578361.64 3751450.79 -0.412 -0.201 7/25/07 10:35 AM 978 82-14-978 75.2 108 0 0 Soils 3.8 0 Actual Soils 578336.27 3751451.25 578361.66 3751450.09 -0.412 -0.179 6/27/07 11:30 AM 979 83-14-979 56.8 60 0 0 Soils 2.7 0 Actual Soils 578381.45 3751451.54 578381.71 3751450.68 -0.258 0.856	7/18/07 2:33 PM	967	84-14-967		55	60	-90	0	Scrap Metal	3.3	15	Actual	Cultural	578440.61	3751449.12	578440.75	3751449.12	-0.138	0.008
7/16/07 11:51 AM 970 83-14-970 38.1 5 0 0 Nose Frag 4.2 7 Actual MD 578349.48 3751450.01 578349.41 3751450.25 0.067 -0.249 7/16/07 11:51 AM 971 83-14-971 63.5 93 0 0 Soils 3.6 0 Actual Soils 578362.09 3751450.42 578361.99 3751450.99 0.095 -0.579 7/16/07 11:37 AM 972 83-14-972 1.8 40 0 0 Soils 1.3 0 Actual Soils 578383.22 3751449.84 578383.36 3751450.09 -0.138 -0.252 7/18/07 947 AM 973 84-14-973 39.4 15 0 290 Frag 3.1 14 Actual MD 578422.93 3751449.45 578422.70 3751449.61 0.232 -0.162 7/18/07 942 AM 974 84-14-974 52.5 10 -45 90 Frag 2.9 8 Actual MD 578448.59 3751449.77 578448.91 3751450.02 -0.318 -0.253 7/11/07 12:18 PM 975 83-14-975 16.1 7 0 180 Scrap Metal 4.7 17 Actual Cultural 57836.74 3751450.21 578438.82 3751450.55 -0.005 0 7/18/07 2:33 PM 976 84-14-977 99.01 120 0 0 Soils 7.6 0 Actual Soils 578438.70 3751450.15 578251.37 3751450.35 -0.274 -0.201 7/25/07 9:19 AM 978 82-14-978 90.1 120 0 0 Soils 3.8 0 Actual Soils 578274.04 3751450.61 578274.45 3751450.79 -0.412 -0.179 6/27/07 11:38 AM 979 83-14-979 56.8 60 0 0 Soils 2.7 0 Actual Soils 578381.45 3751451.55 578381.71 3751450.68 -0.258 0.856	7/23/07 12:17 PM	968	84-14-968		44.2	30	45	350	Seeds	8.7	45	Approximate	Seed Item	578472.62	3751449.28	578472.75	3751449.52	-0.131	-0.24
7/16/07 11:51 AM 971 83-14-971 63.5 93 0 0 Soils 3.6 0 Actual Soils 578362.09 3751450.42 578361.99 3751450.99 0.095 -0.579 7/16/07 11:37 AM 972 83-14-972 1.8 40 0 0 Soils 1.3 0 Actual Soils 578383.22 3751449.84 578383.36 3751450.09 -0.138 -0.252 7/18/07 9:47 AM 973 84-14-973 39.4 15 0 290 Frag 3.1 14 Actual MD 578422.93 3751449.45 578422.70 3751449.61 0.232 -0.162 7/18/07 9:42 AM 974 84-14-974 52.5 10 -45 90 Frag 2.9 8 Actual MD 578448.59 3751449.77 578448.91 3751450.02 -0.318 -0.253 7/11/07 12:18 PM 975 83-14-975 16.1 7 0 180 Scrap Metal 4.7 17 Actual Cultural 578306.74 3751450.55 578306.74 3751450.75 578306.74 3751450.75 578306.74 3751450.75 578306.74 3751450.75 578306.74 3751450.75 578306.74 3751450.75 578306.74 3751450.75 578306.74 3751450.75 578306.74 3751450.75 578306.75 57	7/11/07 12:21 PM	969	83-14-969		25	2	0	330	Scrap Metal	5.8	40	Actual	Cultural	578313.63	3751450.09	578313.64	3751450.03	-0.005	0.061
7/16/07 11:37 AM 972 83-14-972 1.8 40 0 0 Soils 1.3 0 Actual Soils 578383.22 3751449.84 578383.36 3751450.09 -0.138 -0.252 7/18/07 9:47 AM 973 84-14-973 39.4 15 0 290 Frag 3.1 14 Actual MD 578422.93 3751449.45 578422.70 3751449.61 0.232 -0.162 7/18/07 9:42 AM 974 84-14-974 52.5 10 -45 90 Frag 2.9 8 Actual MD 578448.59 3751449.77 578448.91 3751450.02 -0.318 -0.253 7/11/07 12:18 PM 975 83-14-975 16.1 7 0 180 Scrap Metal 4.7 17 Actual Cultural 578306.74 3751450.55 578306.74 3751450.75 578306.74 3751450.75 578306.74 3751450.75 578306.74 3751450.75 578306.74 3751450.75 578306.74 3751450.75 578251.37 3751450.78 578306.74 3751450.78 578251.37 3751450.78 578306.74 3751450.78 578251.37 3751450.78 578306.74 3751450.78 578251.37 3751450.78 57825	7/16/07 8:39 AM	970	83-14-970		38.1	5	0	0	Nose Frag	4.2	7	Actual	MD	578349.48	3751450.01	578349.41	3751450.25	0.067	-0.249
7/18/07 9:47 AM 973 84-14-973 39.4 15 0 290 Frag 3.1 14 Actual MD 578422.93 3751449.45 578422.70 3751449.61 0.232 -0.162 7/18/07 9:42 AM 974 84-14-974 52.5 10 -45 90 Frag 2.9 8 Actual MD 578448.59 3751449.77 578448.91 3751450.02 -0.318 -0.253 7/11/07 12:18 PM 975 83-14-975 16.1 7 0 180 Scrap Metal 4.7 17 Actual Cultural 578306.74 3751450.55 578306.74 3751450.55 -0.005 0 7/18/07 2:33 PM 976 84-14-976 55.3 85 0 0 Soils 4.5 0 Actual Soils 578438.70 3751450.15 578438.82 3751450.18 -0.116 0.034 7/25/07 9:19 AM 977 82-14-977 90.1 120 0 0 Soils 7.6 0 Actual Soils 578438.70 3751450.15 578251.10 3751450.35 -0.274 -0.201 7/25/07 10:35 AM 978 82-14-978 75.2 108 0 0 Soils 3.8 0 Actual Soils 578274.04 3751450.61 578274.45 3751450.79 -0.412 -0.179 6/27/07 11:38 AM 979 83-14-979 56.8 60 0 0 Soils 2.7 0 Actual Soils 57838.27 3751451.25 578381.71 3751450.68 -0.258 0.856	7/16/07 11:51 AM	971	83-14-971		63.5	93	0	0	Soils	3.6	0	Actual	Soils	578362.09	3751450.42	578361.99	3751450.99	0.095	-0.579
7/18/07 9:42 AM 974 84-14-974 52.5 10 -45 90 Frag 2.9 8 Actual MD 578448.59 3751449.77 578448.91 3751450.02 -0.318 -0.253 7/11/07 12:18 PM 975 83-14-975 16.1 7 0 180 Scrap Metal 4.7 17 Actual Cultural 578306.74 3751450.55 578306.74 3751450.55 -0.005 0 7/18/07 2:33 PM 976 84-14-976 55.3 85 0 0 Soils 4.5 0 Actual Soils 578438.70 3751450.21 578438.82 3751450.18 -0.116 0.034 7/25/07 9:19 AM 977 82-14-977 90.1 120 0 0 Soils 7.6 0 Actual Soils 578251.10 3751450.21 578251.37 3751450.35 -0.274 -0.201 7/25/07 10:35 AM 978 82-14-978 75.2 108 0 0 Soils 3.8 0 Actual Soils 578274.04 3751450.61 578274.45 3751450.79 -0.412 -0.179 6/27/07 11:38 AM 979 83-14-979 56.8 60 0 0 Soils 2.7 0 Actual Soils 578336.27 3751451.25 578336.16 3751450.02 0.044 0.222 7/16/07 11:40 AM 980 83-14-980 83.7 113 0 0 Soils 4 0 Actual Soils 578381.45 3751451.54 578381.71 3751450.68 -0.258 0.856	7/16/07 11:37 AM	972	83-14-972		1.8	40	0	0	Soils	1.3	0	Actual	Soils	578383.22	3751449.84	578383.36	3751450.09	-0.138	-0.252
7/18/07 9:42 AM 974 84-14-974 52.5 10 -45 90 Frag 2.9 8 Actual MD 578448.59 3751449.77 578448.91 3751450.02 -0.318 -0.253 7/11/07 12:18 PM 975 83-14-975 16.1 7 0 180 Scrap Metal 4.7 17 Actual Cultural 578306.74 3751450.55 578306.74 3751450.55 -0.005 0 7/18/07 2:33 PM 976 84-14-976 55.3 85 0 0 Soils 4.5 0 Actual Soils 578438.70 3751450.21 578438.82 3751450.18 -0.116 0.034 7/25/07 9:19 AM 977 82-14-977 90.1 120 0 0 Soils 7.6 0 Actual Soils 578251.10 3751450.21 578251.37 3751450.35 -0.274 -0.201 7/25/07 10:35 AM 978 82-14-978 75.2 108 0 0 Soils 3.8 0 Actual Soils 578274.04 3751450.61 578274.45 3751450.79 -0.412 -0.179 6/27/07 11:38 AM 979 83-14-979 56.8 60 0 0 Soils 2.7 0 Actual Soils 578336.27 3751451.25 578336.16 3751450.02 0.044 0.222 7/16/07 11:40 AM 980 83-14-980 83.7 113 0 0 Soils 4 0 Actual Soils 578381.45 3751451.54 578381.71 3751450.68 -0.258 0.856	7/18/07 9:47 AM	973			39.4	15	0	290	Frag	3.1	14	Actual	MD	578422.93	3751449.45	578422.70	3751449.61	0.232	-0.162
7/11/07 12:18 PM 975 83-14-975 16.1 7 0 180 Scrap Metal 4.7 17 Actual Cultural 578306.74 3751450.55 578306.74 3751450.55 -0.005 0 7/18/07 2:33 PM 976 84-14-976 55.3 85 0 0 Soils 4.5 0 Actual Soils 578438.70 3751450.21 578438.82 3751450.18 -0.116 0.034 7/25/07 9:19 AM 977 82-14-977 90.1 120 0 0 Soils 7.6 0 Actual Soils 578251.10 3751452.15 578251.37 3751452.35 -0.274 -0.201 7/25/07 10:35 AM 978 82-14-978 75.2 108 0 0 Soils 3.8 0 Actual Soils 578274.04 3751450.61 578274.45 3751450.79 -0.412 -0.179 6/27/07 11:38 AM 979 83-14-979 56.8 60 0 0 Soils 2.7 0 Actual Soils 57836.27 3751451.25 578336.16 3751451.02 0.104 0.222 7/16/07 11:40 AM 980 83-14-980 83.7 113 0 0 Soils 4 0 Actual Soils 578381.45 3751451.54 578381.71 3751450.68 -0.258 0.856	7/18/07 9:42 AM	974	84-14-974		52.5	10	-45	90	Frag	2.9	8	Actual	MD	578448.59	3751449.77	578448.91	3751450.02	-0.318	-0.253
7/18/07 2:33 PM         976         84-14-976         55.3         85         0         0         Soils         4.5         0         Actual         Soils         578438.70         3751450.21         578438.82         3751450.18         -0.116         0.034           7/25/07 9:19 AM         977         82-14-977         90.1         120         0         0         Soils         7.6         0         Actual         Soils         578251.10         3751452.15         578251.37         3751452.35         -0.274         -0.201           7/25/07 10:35 AM         978         82-14-978         75.2         108         0         0         Soils         3.8         0         Actual         Soils         578274.04         3751450.61         578274.45         3751450.79         -0.412         -0.179           6/27/07 11:38 AM         979         83-14-979         56.8         60         0         0         Soils         2.7         0         Actual         Soils         578336.27         3751451.25         578336.16         3751450.68         -0.258         0.856           7/16/07 11:40 AM         980         83-14-980         83.7         113         0         0         Soils         4         0         Actua	7/11/07 12:18 PM												Cultural						
7/25/07 9:19 AM         977         82-14-977         90.1         120         0         Soils         7.6         0         Actual         Soils         578251.10         3751452.15         578251.37         3751452.35         -0.274         -0.201           7/25/07 10:35 AM         978         82-14-978         75.2         108         0         0         Soils         3.8         0         Actual         Soils         578274.04         3751450.61         578274.45         3751450.79         -0.412         -0.179           6/27/07 11:38 AM         979         83-14-979         56.8         60         0         0         Soils         2.7         0         Actual         Soils         578336.27         3751451.25         578336.16         3751451.02         0.104         0.222           7/16/07 11:40 AM         980         83-14-980         83.7         113         0         0         Soils         4         0         Actual         Soils         578381.45         3751451.54         578381.71         3751450.68         -0.258         0.856						85	0												0.034
7/25/07 10:35 AM 978 82-14-978 75.2 108 0 0 Soils 3.8 0 Actual Soils 578274.04 3751450.61 578274.45 3751450.79 -0.412 -0.179 6/27/07 11:38 AM 979 83-14-979 56.8 60 0 0 Soils 2.7 0 Actual Soils 578336.27 3751451.25 578336.16 3751451.02 0.104 0.222 7/16/07 11:40 AM 980 83-14-980 83.7 113 0 0 Soils 4 0 Actual Soils 578381.45 3751451.54 578381.71 3751450.68 -0.258 0.856								0			0								
6/27/07 11:38 AM 979 83-14-979 56.8 60 0 0 Soils 2.7 0 Actual Soils 578336.27 3751451.25 578336.16 3751451.02 0.104 0.222 7/16/07 11:40 AM 980 83-14-980 83.7 113 0 0 Soils 4 0 Actual Soils 578381.45 3751451.54 578381.71 3751450.68 -0.258 0.856		_	-				0	0			0								
7/16/07 11:40 AM 980 83-14-980 83.7 113 0 0 Soils 4 0 Actual Soils 578381.45 3751451.54 578381.71 3751450.68 -0.258 0.856											0								
											0								
	7/18/07 9:37 AM	981	84-14-981		17.6	9	-45	170	Baseplate	4.1	12	Actual	MD	578428.66	3751451.55	578428.79	3751451.63	-0.134	-0.073

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

													UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
TimeStamp	Alias	Anomaly ID	Mag-N- Flag ID	Predicted Depth	Depth	Inclination	Azimuth	Identification	Predicted Length	Length	Actual/ Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	Δ Northing
6/26/07 9:44 AM	982	82-14-982		84.6	10	0	40	Scrap Metal		12	Actual	Cultural	578279.51	3751452.50	578279.29	3751453.01	0.228	ŭ
7/16/07 8:36 AM	982	82-14-982		20.3	12	-90	310	Frag	2.7 1.8	6	Actual	MD	578279.51		578279.29	3751453.01	-0.041	-0.516 0.434
7/17/07 8:28 AM	983	84-14-984		43.5	15	-90	180	Scrap Metal	3.6	8	Actual	Cultural	578402.91	3751452.50 3751452.33	578402.97	3751452.07	-0.041	0.434
7/26/07 12:05 PM	984	84-14-984		43.5	73	0	0	Soils	3.6	0	Actual	Soils	578402.91	3751452.33	578403.23	3751452.17	-0.059	0.156
7/17/07 11:41 AM	985	84-14-985		-2.9	32	0	0	Soils	1.2	0	Actual	Soils	578411.96	3751452.33	578412.24	3751451.96	-0.32	-0.36
7/17/07 2:54 PM	986	84-14-986		26.7	0	-90	0	Corner Stake	2.4	20	Actual	Cultural	578453.88	3751453.03	578453.87	3751453.39	0.014	0.092
7/17/07 2.34 FW	987	82-14-987		94.2	124	-90	0	Soils	4.7	0	Actual	Soils	578252.96	3751453.22	578253.54	3751453.72	-0.587	-0.117
7/25/07 10:38 AM	988	82-14-988		50.2	80	0	0	Soils	3.2	0	Actual	Soils	578286.13	3751453.00	578286.80	3751453.72	-0.668	-0.117
7/18/07 9:35 AM	989	84-14-989		10.9	10	-90	280	Frag	2.1	14	Actual	MD	578427.34	3751453.57	578427.33	3751453.68	0.012	-0.112
7/18/07 9:38 AM	990	84-14-990		31.9	5	-90	350	Frag	2.1	10	Actual	MD	578431.96	3751453.63	578432.08	3751453.69	-0.12	-0.052
7/18/07 3:13 PM	991	84-14-991		50.5	40	-90	0	Seeds	9.9	45	Approximate	Seed Item	578461.62	3751453.51	578461.73	3751453.55	-0.12	-0.032
7/19/07 11:16 AM	992	85-14-992		61.5	91	-90	0	Soils	4.6	0	Actual	Soils	578500.03	3751453.38	578500.16	3751453.33	-0.109	0.174
7/25/07 8:48 AM	993	82-14-993		25.5	7	0	0	Rock	2.4	3	Actual	Rock	578296.17	3751454.61	578295.95	3751454.35	0.217	0.174
7/11/07 2:06 PM	994	83-14-994		69.1	14	-45	340	Frag	3.3	6	Actual	MD	578336.28	3751454.65	578336.25	3751454.18	0.034	0.468
7/16/07 9:07 AM	995	83-14-995		18.9	2	0	170	Halfshell	7.2	30	Actual	MD	578371.43	3751455.25	578371.44	3751455.19	-0.008	0.058
7/17/07 11:49 AM	996	84-14-996		73.9	103	0	0	Soils	4.1	0	Actual	Soils	578401.23	3751455.05	578401.07	3751455.10	0.165	-0.048
7/19/07 8:33 AM	997	84-14-997		37.7	8	0	0	Nose Frag	2.6	7	Actual	MD	578479.37	3751455.09	578479.23	3751455.28	0.131	-0.198
7/16/07 10:55 AM	998	83-14-998		88.8	90	0	270	Seeds	7.5	45	Actual	Seed Item	578376.44	3751456.27	578376.42	3751456.28	0.018	-0.005
6/26/07 11:38 AM	999	82-14-999		81.8	42	0	0	Soils	2.9	0	Actual	Soils	578280.93	3751456.47	578280.77	3751456.62	0.155	-0.15
7/17/07 2:47 PM	1000	84-14-1000		20.6	30	0	180	Frag	2.4	14	Actual	MD	578457.90	3751456.49	578457.94	3751456.78	-0.041	-0.29
7/17/07 11:45 AM	1001	84-14-1001		56.1	86	0	0	Soils	4.2	0	Actual	Soils	578407.79	3751456.94	578408.12	3751456.67	-0.335	0.276
7/11/07 4:01 PM	1002	83-14-1002		113.9	60	0	0	Soils	5.8	0	Actual	Soils	578336.55	3751457.15	578336.66	3751457.10	-0.118	0.048
7/16/07 10:22 AM	1003	83-14-1003		11.7	141	0	0	Soils	1.8	0	Actual	Soils	578357.20	3751457.53	578357.12	3751456.98	0.083	0.547
7/17/07 2:58 PM	1004	84-14-1004		43.6	10	-45	270	Baseplate	4.8	12	Actual	MD	578441.95	3751457.48	578442.04	3751457.40	-0.081	0.077
7/17/07 12:07 PM	1005	83-14-1005		43.7	73	0	0	Soils	2.8	0	Actual	Soils	578383.29	3751457.69	578383.20	3751457.60	0.094	0.09
7/17/07 8:25 AM	1006	84-14-1006		35.1	30	0	0	Nose Frag	2.9	7	Actual	MD	578412.40	3751457.75	578412.21	3751457.89	0.191	-0.148
7/17/07 2:47 PM	1007	84-14-1007		32.5	10	-45	110	Baseplate	4.4	12	Actual	MD	578454.45	3751458.14	578454.37	3751458.01	0.076	0.127
7/17/07 3:08 PM	1008	84-14-1008		48.1	40	0	0	Nose Frag	5.5	7	Actual	MD	578432.42	3751458.66	578432.24	3751459.01	0.182	-0.349
7/17/07 8:26 AM	1009	84-14-1009		57	30	-45	330	Seeds	10	45	Actual	Seed Item	578407.09	3751458.88	578407.32	3751458.72	-0.23	0.166
7/17/07 2:57 PM	1010	84-14-1010		51.9	35	-90	0	Baseplate	5.2	12	Actual	MD	578449.52	3751459.06	578449.25	3751458.81	0.27	0.251
7/16/07 10:51 AM	1011	83-14-1011		27.9	30	0	0	Soils	2.7	30	Actual	Soils	578366.04	3751460.62	578365.51	3751460.44	0.534	0.178
6/26/07 11:27 AM	1012	82-14-1012		30.2	105	0	0	Soils	2.6	0	Actual	Soils	578272.58	3751460.69	578272.61	3751460.76	-0.032	-0.074
7/17/07 11:42 AM	1013	84-14-1013		39.4	69	0	0	Soils	2.3	0	Actual	Soils	578416.71	3751460.21	578416.91	3751460.36	-0.203	-0.144
7/17/07 3:03 PM	1014	84-14-1014		12.8	8	0	60	Frag	1.6	7	Actual	MD	578432.10	3751460.72	578432.13	3751460.98	-0.028	-0.259
7/11/07 2:16 PM	1015	83-14-1015		4.1	11	-30	140	Frag	1.3	9	Actual	MD	578301.21	3751461.78	578301.59	3751461.58	-0.382	0.2
7/11/07 3:17 PM	1016	83-14-1016		32.4	62	0	0	Soils	2.6	0	Actual	Soils	578314.60	3751460.84	578314.46	3751461.10	0.14	-0.257
7/11/07 3:47 PM	1017	83-14-1017		78.1	60	0	0	Soils	5.2	0	Actual	Soils	578324.10	3751461.69	578323.97	3751461.66	0.129	0.023
7/17/07 8:23 AM	1018	84-14-1018		26.5	12	-90	0	Baseplate	3.4	12	Actual	MD	578413.57	3751461.46	578413.67	3751461.37	-0.102	0.09
7/17/07 2:46 PM	1019	84-14-1019		24.4	7	0	210	Nose Frag	2.5	7	Actual	MD	578452.02	3751461.25	578452.24	3751461.39	-0.222	-0.146
7/26/07 10:15 AM	1020	82-14-1020		46.3	76	0	0	Soils	3	0	Actual	Soils	578290.03	3751462.09	578290.44	3751461.86	-0.406	0.227
7/11/07 3:54 PM	1021	83-14-1021		82	60	0	0	Soils	4.5	0	Actual	Soils	578327.63	3751462.81	578327.53	3751462.25	0.098	0.563
6/27/07 10:02 AM	1022	83-14-1022		28.2	15	20	200	Seeds	8.7	45	Actual	Seed Item	578340.19	3751462.10	578340.13	3751462.13	0.064	-0.031
7/16/07 10:04 AM	1023	83-14-1023		20.6	50	0	0	Soils	2.1	0	Actual	Soils	578345.25	3751461.91	578345.73	3751461.71	-0.476	0.205
7/25/07 9:16 AM	1024	82-14-1024		42.6	52	0	0	Soils	2.6	0	Actual	Soils	578254.79	3751462.09	578253.81	3751461.17	0.974	0.918
6/26/07 9:24 AM	1025	82-14-1025		18	0	-90	0	Corner Stake	3.1	20	Actual	Corner Stake	578249.89	3751463.11	578250.04	3751462.93	-0.155	0.188

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

										•			UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured	,	
			Mag-N- Flag	Predicted					Predicted		Actual/							
TimeStamp	Alias	Anomaly ID	ID	Depth	Depth	Inclination	Azimuth	Identification	Length	Length	Approx	Dig Type	Easting	Northing	Easting	Northing	∆ Easting	∆ Northing
7/16/07 8:51 AM	1026	83-14-1026		-2	5	-45	120	Scrap Metal	1.5	20	Actual	Cultural	578357.65	3751463.08	578357.93	3751462.72	-0.28	0.362
7/25/07 9:03 AM	1027	82-14-1027		47.8	77	0	0	Soils	3.4	0	Actual	Soils	578253.19	3751463.66	578253.18	3751463.89	0.009	-0.229
6/26/07 11:40 AM	1028	82-14-1028		72.2	64	0	0	Soils	3.6	0	Actual	Soils	578294.85	3751463.24	578294.30	3751463.20	0.544	0.034
7/11/07 2:08 PM	1029	83-14-1029		5.5	3	-45	220	Baseplate	3.2	12	Actual	MD	578304.95	3751463.58	578304.95	3751463.51	0.003	0.079
7/16/07 10:12 AM	1030	83-14-1030		52	82	0	0	Soils	2.9	0	Actual	Soils	578347.42	3751463.86	578347.32	3751464.22	0.104	-0.361
7/18/07 9:33 AM	1031	84-14-1031		-0.4	5	0	350	Frag	1.5	12	Actual	MD	578429.60	3751463.67	578429.67	3751463.78	-0.067	-0.111
6/26/07 9:26 AM	1032	82-14-1032		25.4	30	-45	330	Halfshell	4.9	30	Actual	MD	578269.36	3751463.89	578269.43	3751463.85	-0.065	0.045
7/18/07 2:39 PM	1033	84-14-1033		93.3	80	-45	350	Seeds	8.7	45	Approximate	Seed Item	578421.72	3751464.30	578421.45	3751464.28	0.273	0.019
7/18/07 3:06 PM	1034	84-14-1034		49.8	60	45	90	Seeds	8.1	45	Approximate	Seed Item	578445.18	3751463.67	578445.24	3751463.80	-0.06	-0.128
7/17/07 3:01 PM	1035	84-14-1035		-2.3	15	-90	300	Frag	1.5	14	Actual	MD	578432.98	3751464.32	578432.74	3751464.27	0.243	0.056
7/11/07 3:45 PM	1036	83-14-1036		143.5	60	0	0	Soils	9.2	0	Actual	Soils	578318.56	3751464.99	578318.76	3751465.02	-0.198	-0.034
8/1/07 11:22 AM	1037	83-14-1037		54.5	84	0	0	No Contact	3	0	Actual	No Contacts	578376.20	3751465.33	578376.21	3751465.29	-0.01	0.04
7/17/07 3:00 PM	1038	84-14-1038		24.5	15	-45	310	Baseplate	4.2	12	Actual	MD	578434.79	3751465.26	578434.77	3751465.03	0.023	0.229
6/27/07 11:52 AM	1039	83-14-1039		80.2	82	0	0	Soils	4.7	0	Actual	Soils	578334.05	3751466.25	578333.90	3751465.97	0.144	0.273
7/25/07 8:51 AM	1040	82-14-1040		-2.1	32	0	0	Soils	1.3	0	Actual	Soils	578285.79	3751466.59	578285.68	3751466.48	0.108	0.11
7/16/07 10:07 AM	1041	83-14-1041		100.5	131	0	0	Soils	6.5	0	Actual	Soils	578348.55	3751466.53	578348.14	3751466.02	0.41	0.513
8/1/07 11:16 AM	1042	82-14-1042		1.8	48	0	0	No Contact	1.3	0	Actual	No Contacts	578298.98	3751467.16	578298.93	3751467.05	0.06	0.11
7/16/07 8:41 AM	1043	83-14-1043		28.6	3	0	170	Scrap Metal	3.5	40	Actual	Cultural	578350.77	3751467.43	578350.61	3751467.58	0.165	-0.147
7/16/07 10:26 AM	1044	83-14-1044		88.3	118	0	0	Soils	6.1	0	Actual	Soils	578363.28	3751467.80	578363.42	3751467.05	-0.142	0.75
7/18/07 3:14 PM	1045	84-14-1045		73.9	60	-90	0	Seeds	9.4	45	Actual	Seed Item	578461.43	3751467.02	578461.38	3751467.09	0.054	-0.078
7/11/07 2:57 PM	1046	83-14-1046		49.4	80	0	0	Soils	2.6	0	Actual	Soils	578301.37	3751467.69	578301.24	3751467.89	0.136	-0.192
7/18/07 2:43 PM	1047	84-14-1047		65.1	95	0	0	Soils	3	0	Actual	Soils	578419.28	3751467.98	578418.88	3751467.81	0.401	0.167
7/19/07 8:29 AM	1048	84-14-1048		15.6	2	0	70	Halfshell	6.5	30	Actual	MD	578470.06	3751467.57	578469.97	3751467.58	0.088	-0.011
6/26/07 9:40 AM	1049	82-14-1049		1.5	8	-45	140	Frag	1.4	15	Actual	MD	578289.25	3751467.68	578289.30	3751467.65	-0.051	0.028
7/11/07 2:56 PM	1050	83-14-1050		42.5	73	0	0	Soils	2.6	0	Actual	Soils	578303.61	3751468.03	578303.76	3751468.28	-0.149	-0.252
6/27/07 9:59 AM	1051	83-14-1051		21.8	2	0	180	Frag	1.4	10	Actual	MD	578326.15	3751467.80	578325.99	3751467.65	0.157	0.155
7/16/07 10:32 AM	1052	83-14-1052		15	53	0	0	Soils	1.9	0	Actual	Soils	578368.45	3751468.07	578368.39	3751468.17	0.055	-0.102
7/17/07 12:01 PM	1053	83-14-1053		-2.5	33	0	0	Soils	1.2	0	Actual	Soils	578391.68	3751467.72	578391.68	3751467.49	-0.002	0.23
7/18/07 10:54 AM	1054	84-14-1054		48	80	0	0	Soils	2.8	0	Actual	Soils	578378.46	3751468.37	578378.21	3751468.52	0.244	-0.15
7/16/07 10:35 AM	1055	83-14-1055		7.4	37	0	0	Soils	1.6	0	Actual	Soils	578370.05	3751469.90	578369.86	3751470.24	0.192	-0.342
6/27/07 1:25 PM	1056	83-14-1056		115.6	35	0	0	Soils	7.4	0	Actual	Soils	578381.04	3751469.13	578380.97	3751468.85	0.075	0.286
7/11/07 3:57 PM	1057	83-14-1057		71.4	60	45	180	Seeds	9.5	45	Actual	Seed Item	578331.45	3751470.14	578331.40	3751469.90	0.052	0.241
7/11/07 3:06 PM	1058	83-14-1058		74.1	120	0	270	Seeds	4.8	45	Actual	Seed Item	578299.62	3751470.37	578299.75	3751470.39	-0.133	-0.019
7/16/07 10:37 AM	1059	83-14-1059		21.3	60	0	0	Soils	2	0	Actual	Soils	578372.91	3751470.35	578372.48	3751470.65	0.425	-0.304
7/11/07 2:52 PM	1060	83-14-1060		31.9	61	0	0	Soils	1.8	0	Actual	Soils	578303.77	3751470.87	578304.12	3751470.91	-0.344	-0.04
7/17/07 8:20 AM	1061	84-14-1061		83.4	2	0	120	Scrap Metal	4.8	6	Actual	Cultural	578397.14	3751470.87	578397.20	3751471.20	-0.062	-0.329
7/19/07 10:54 AM	1062	84-14-1062		Inf	30	0	0	Soils	Inf	3	Actual	Soils	578474.50	3751471.00	578474.54	3751470.91	-0.038	0.093
7/19/07 10:34 AM	1063	84-14-1063	l	37.8	10	0	60	Seeds	8.8	45	Actual	Seed Item	578486.35	3751471.00	578486.37	3751470.31	-0.036	0.093
7/11/07 2:48 PM	1064	83-14-1064	l	-10.1	71	0	0	Soils	0.9	0	Actual	Soils	578321.63	3751470.93	578321.35	3751470.75	0.279	0.173
7/18/07 9:20 AM	1065	84-14-1065	<b> </b>	2.2	2	0	0	Nose Frag	1.6	7	Actual	MD	578430.61	3751472.01	578430.66	3751471.62	-0.05	0.331
6/26/07 9:35 AM	1066	82-14-1066		3	0	-90	0	Scrap Metal	2.5	20	Actual	Cultural	578286.08	3751471.09	578285.96	3751471.02	0.126	0.07
6/26/07 9:36 AM	1067	82-14-1067		14	15	-90	90	Baseplate	3	11	Actual	MD	578291.60	3751472.01	578291.57	3751471.90	0.120	0.112
7/11/07 2:43 PM	1067	83-14-1068	<del>                                     </del>	22.4	116	0	0	Soils	2.2	0	Actual	Soils	578291.60	3751472.29	578317.92	3751472.26	0.026	-0.146
7/17/07 2.43 PM	1069	84-14-1069	<del>                                     </del>	89.8	119	0	0	Soils	4.9	0	Actual	Soils	578403.49	3751471.61	578403.41	3751471.95	0.352	0.225
7/17/07 11.57 AW	1070	83-14-1070	-	2.6	5	0	60	Scrap Metal	1.7	14	Actual	Cultural	578389.82	3751472.44	578389.59	3751472.21	0.077	0.225
1/11/01 0.10 AIVI	1070	00-14-10/0	L	2.0	J	U	00	Scrap Metal	1.7	14	Actual	Cuiturai	310303.02	3131412.04	310308.38	3131412.09	0.233	0.10

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

TimeStamp	Easting 13 578406.87 8 578365.98 9 578411.09 86 578454.97 2 578473.44 92 578427.62 90 578346.73 4 578322.82 4 578459.03 94 578398.10 94 578398.10 94 578399.49	Northing  3751472.52  3751473.02  3751472.74  3751473.08  3751474.86  3751476.62  3751476.21  3751476.79  3751477.70	Δ Easting -0.311 -0.429 -0.573 -0.319 -0.041 -0.252 -0.448 -0.141 -0.374 -0.435	Δ Northing -0.094 0.153 -0.012 0.115 0.045 0.157 0.085 -0.295 -0.078
TimeStamp   Alias   Anomaly ID   Flag   Predicted   Depth   Depth	3 578406.87 8 578365.98 9 578411.09 36 578454.97 2 578473.44 12 578427.62 70 578346.73 4 578322.82 9 578343.01 144 578309.03 144 578398.10 154 578329.49	3751472.52 3751473.02 3751472.80 3751472.74 3751473.08 3751474.86 3751476.43 3751476.43 3751476.79 3751477.70	-0.311 -0.429 -0.573 -0.319 0.041 -0.252 0.488 -0.141 -0.374	-0.094 0.153 -0.012 0.115 0.045 0.157 0.085 -0.295 -0.078
7/17/07 11:52 AM	3 578406.87 8 578365.98 9 578411.09 36 578454.97 2 578473.44 12 578427.62 70 578346.73 4 578322.82 9 578343.01 144 578309.03 144 578398.10 154 578329.49	3751472.52 3751473.02 3751472.80 3751472.74 3751473.08 3751474.86 3751476.43 3751476.43 3751476.21 3751476.79 3751477.70	-0.311 -0.429 -0.573 -0.319 0.041 -0.252 0.488 -0.141 -0.374	-0.094 0.153 -0.012 0.115 0.045 0.157 0.085 -0.295 -0.078
T/16/07 10:41 AM   1072   83-14-1072   54.4   51   0   0   Soils   2.7   0   Actual   Soils   578365.55   3751473.	8 578365.98 79 578411.09 36 578454.97 2 578473.44 102 578427.62 103 578346.73 14 578322.82 14 578343.01 15 578343.01 14 578398.10 15 578398.10 16 578329.49	3751473.02 3751472.80 3751472.74 3751473.08 3751474.86 3751476.43 3751476.43 3751476.21 3751476.79 3751477.70	-0.429 -0.573 -0.319 0.041 -0.252 0.488 -0.141 -0.374	0.153 -0.012 0.115 0.045 0.157 0.085 -0.295 -0.078
7/17/07 8:22 AM   1073   84-14-1073   102.3   5   0   0   Rock   5.7   2   Actual   Rock   578410.51   3751472.	79 578411.09 36 578454.97 2 578473.44 30 578427.62 30 578346.73 4 578322.82 4 578343.01 34 578398.10 34 578398.10 34 578329.49	3751472.80 3751472.74 3751473.08 3751474.86 3751476.43 3751476.43 3751476.79 3751477.70	-0.573 -0.319 0.041 -0.252 0.488 -0.141 -0.374	-0.012 0.115 0.045 0.157 0.085 -0.295 -0.078
7/18/07 3:03 PM   1074   84-14-1074   28.7   58   0   0   Soils   1.8   0   Actual   Soils   578454.65   3751472.	66 578454.97 2 578473.44 22 578427.62 70 578346.73 4 578322.82 4 578459.45 59 578343.01 44 578309.03 44 578398.10 64 578329.49	3751472.74 3751473.08 3751474.86 3751475.62 3751476.43 3751476.21 3751476.79 3751477.87	-0.319 0.041 -0.252 0.488 -0.141 -0.374	0.115 0.045 0.157 0.085 -0.295 -0.078
7/19/07 8:26 AM         1075         84-14-1075         5.6         4         0         170         Scrap Metal         1.7         11         Actual         Cultural         578473.48         3751473.           7/18/07 9:13 AM         1076         84-14-1076         64.2         60         -45         290         Baseplate         5         12         Actual         MD         578427.37         3751475.           7/16/07 8:46 AM         1077         33-14-1077         46.7         20         0         0         Nose Frag         2.8         7         Actual         MD         578347.21         3751475.           7/11/07 2:33 PM         1078         83-14-1078         37.3         46         0         0         Soils         1.9         0         Actual         Soils         578342.68         3751476.           7/18/07 3:22 PM         1079         84-14-1079         86         60         0         0         Rock         5         6         Actual         Rock         578459.07         3751476.           7/18/07 3:21 PM         1081         83-14-1080         69.5         60         0         0         Soils         3.5         0         Actual         Soils         578342.57	2 578473.44 22 578427.62 70 578346.73 4 578322.82 4 578459.45 69 578343.01 64 578398.10 64 578329.49	3751473.08 3751474.86 3751475.62 3751476.43 3751476.21 3751476.79 3751477.87	0.041 -0.252 0.488 -0.141 -0.374	0.045 0.157 0.085 -0.295 -0.078
7/18/07 9:13 AM         1076         84-14-1076         64.2         60         -45         290         Baseplate         5         12         Actual         MD         578427.37         3751475.           7/16/07 8:46 AM         1077         83-14-1077         46.7         20         0         0         Nose Frag         2.8         7         Actual         MD         578347.21         3751475.           7/11/07 2:33 PM         1078         83-14-1078         37.3         46         0         0         Soils         1.9         0         Actual         Soils         578322.68         3751476.           7/18/07 3:22 PM         1079         84-14-1079         86         60         0         0         Rock         5         6         Actual         Rock         578459.07         3751476.           6/27/07 1:01 PM         1080         83-14-1080         69.5         60         0         0         Soils         3.5         0         Actual         Soils         578342.57         3751476.           7/18/07 8:22 AM         1081         83-14-1081         2.4         15         45         180         Baseplate         3.1         12         Actual         MD         578397.68	22 578427.62 70 578346.73 4 578322.82 4 578459.45 59 578343.01 64 578398.10 64 578329.49	3751474.86 3751475.62 3751476.43 3751476.21 3751476.79 3751477.87 3751477.70	-0.252 0.488 -0.141 -0.374	0.157 0.085 -0.295 -0.078
7/16/07 8:46 AM   1077   83-14-1077   46.7   20   0   0   Nose Frag   2.8   7   Actual   MD   578347.21   3751475.	70 578346.73 14 578322.82 14 578459.45 15 578343.01 14 578309.03 14 578398.10 15 578329.49	3751475.62 3751476.43 3751476.21 3751476.79 3751477.87 3751477.70	0.488 -0.141 -0.374	0.085 -0.295 -0.078
7/11/07 2:33 PM         1078         83-14-1078         37.3         46         0         0         Soils         1.9         0         Actual         Soils         578322.68         3751476.           7/18/07 3:22 PM         1079         84-14-1079         86         60         0         0         Rock         5         6         Actual         Rock         578459.07         3751476.           6/27/07 1:01 PM         1080         83-14-1080         69.5         60         0         0         Soils         3.5         0         Actual         Soils         578342.57         3751476.           7/11/07 2:17 PM         1081         83-14-1081         2.4         15         45         180         Baseplate         3.1         12         Actual         MD         578309.15         3751477.           7/18/07 8:52 AM         1082         83-14-1082         34.9         4         0         0         Rock         2.2         1         Actual         MD         578309.15         3751477.           6/27/07 12:55 PM         1083         83-14-1083         34.8         60         0         0         Soils         3.7         0         Actual         Rock         578329.78         37514	4 578322.82 4 578459.45 69 578343.01 64 578309.03 64 578329.49	3751476.43 3751476.21 3751476.79 3751477.87 3751477.70	-0.141 -0.374	-0.295 -0.078
7/18/07 3:22 PM         1079         84-14-1079         86         60         0         0         Rock         5         6         Actual         Rock         578459.07         3751476.           6/27/07 1:01 PM         1080         83-14-1080         69.5         60         0         0         Soils         3.5         0         Actual         Soils         578342.57         3751476.           7/11/07 2:17 PM         1081         83-14-1081         2.4         15         45         180         Baseplate         3.1         12         Actual         MD         578309.15         3751477.           7/18/07 8:52 AM         1082         83-14-1082         34.9         4         0         0         Rock         2.2         1         Actual         Rock         578397.68         3751477.           6/27/07 12:55 PM         1083         83-14-1083         34.8         60         0         0         Soils         3.7         0         Actual         Rock         578329.78         3751478.           7/18/07 8:55 AM         1084         83-14-1084         -10.4         25         0         0         Nose Frag         1         7         Actual         MD         578384.29         375	578459.45 69 578343.01 94 578309.03 14 578398.10 64 578329.49	3751476.21 3751476.79 3751477.87 3751477.70	-0.374	-0.078
6/27/07 1:01 PM         1080         83-14-1080         69.5         60         0         0         Soils         3.5         0         Actual         Soils         578342.57         3751476.           7/11/07 2:17 PM         1081         83-14-1081         2.4         15         45         180         Baseplate         3.1         12         Actual         MD         578309.15         3751477.           7/18/07 8:52 AM         1082         83-14-1082         34.9         4         0         0         Rock         2.2         1         Actual         Rock         578397.68         3751477.           6/27/07 12:55 PM         1083         83-14-1083         34.8         60         0         0         Soils         3.7         0         Actual         Soils         578329.78         3751478.           7/18/07 8:55 AM         1084         83-14-1084         -10.4         25         0         0         Nose Frag         1         7         Actual         MD         578384.29         3751478.           7/18/07 8:55 AM         1085         85-15-1085         30.8         40         -90         0         Baseplate         3.2         12         Actual         MD         578406.24	59 578343.01 94 578309.03 14 578398.10 54 578329.49	3751476.79 3751477.87 3751477.70		
7/11/07 2:17 PM         1081         83-14-1081         2.4         15         45         180         Baseplate         3.1         12         Actual         MD         578309.15         3751477.           7/18/07 8:52 AM         1082         83-14-1082         34.9         4         0         0         Rock         2.2         1         Actual         Rock         578397.68         3751477.           6/27/07 12:55 PM         1083         83-14-1083         34.8         60         0         0         Soils         3.7         0         Actual         Soils         578329.78         3751478.           7/18/07 8:48 AM         1084         83-14-1084         -10.4         25         0         0         Nose Frag         1         7         Actual         MD         578384.29         3751478.           7/18/07 8:55 AM         1085         85-15-1085         30.8         40         -90         0         Baseplate         3.2         12         Actual         MD         578406.24         3751478.           6/4/07 2:34 PM         1086         89-17-1086         mf9         13         -30         120         Frag         8         Actual         MD           6/4/07 2:34 PM	04 578309.03 14 578398.10 64 578329.49	3751477.87 3751477.70	-0.435	-0 101
7/18/07 8:52 AM         1082         83-14-1082         34.9         4         0         0         Rock         2.2         1         Actual         Rock         578397.68         3751477.           6/27/07 12:55 PM         1083         83-14-1083         34.8         60         0         0         Soils         3.7         0         Actual         Soils         578329.78         3751478.           7/18/07 8:48 AM         1084         83-14-1084         -10.4         25         0         0         Nose Frag         1         7         Actual         MD         578384.29         3751478.           7/18/07 8:55 AM         1085         85-15-1085         30.8         40         -90         0         Baseplate         3.2         12         Actual         MD         578406.24         3751478.           6/4/07 2:34 PM         1086         89-17-1086         mf9         13         -30         120         Frag         8         Actual         MD           6/4/07 2:08 PM         1087         89-17-1087         mf11         14         0         210         Frag         3         Actual         MD           6/4/07 2:24 PM         1089         89-17-1088         mf18	578398.10 54 578329.49	3751477.70		
6/27/07 12:55 PM         1083         83-14-1083         34.8         60         0         0         Soils         3.7         0         Actual         Soils         578329.78         3751478.           7/18/07 8:48 AM         1084         83-14-1084         -10.4         25         0         0         Nose Frag         1         7         Actual         MD         578384.29         3751478.           7/18/07 8:55 AM         1085         85-15-1085         30.8         40         -90         0         Baseplate         3.2         12         Actual         MD         578406.24         3751478.           6/4/07 2:34 PM         1086         89-17-1086         mf9         13         -30         120         Frag         8         Actual         MD           6/4/07 2:08 PM         1087         89-17-1087         mf11         14         0         210         Frag         3         Actual         MD           6/4/07 2:17 PM         1088         89-17-1089         mf18         6         90         51         Frag         10         Approximate         MD           6/4/07 2:24 PM         1089         89-17-1089         mf19         4         -90         45         Scrap Met	578329.49		0.126	0.063
7/18/07 8:48 AM         1084         83-14-1084         -10.4         25         0         0         Nose Frag         1         7         Actual         MD         578384.29         3751478.           7/18/07 8:55 AM         1085         85-15-1085         30.8         40         -90         0         Baseplate         3.2         12         Actual         MD         578406.24         3751478.           6/4/07 2:34 PM         1086         89-17-1086         mf9         13         -30         120         Frag         8         Actual         MD           6/4/07 2:08 PM         1087         89-17-1087         mf11         14         0         210         Frag         3         Actual         MD           6/4/07 2:17 PM         1088         89-17-1088         mf18         6         90         51         Frag         10         Approximate         MD           6/4/07 2:24 PM         1089         89-17-1089         mf19         4         -90         45         Scrap Metal         13         Actual         Cultural			-0.424	-0.267
7/18/07 8:55 AM         1085         85-15-1085         30.8         40         -90         0         Baseplate         3.2         12         Actual         MD         578406.24         3751478.           6/4/07 2:34 PM         1086         89-17-1086         mf9         13         -30         120         Frag         8         Actual         MD         4         MD         MD         MD         4         4         Frag         3         Actual         MD         MD         MD         MD         4         4         Frag         3         Actual         MD         MD <td< td=""><td>11 578384.19</td><td>3751478.58</td><td>0.287</td><td>0.059</td></td<>	11 578384.19	3751478.58	0.287	0.059
6/4/07 2:34 PM     1086     89-17-1086     mf9     13     -30     120     Frag     8     Actual     MD       6/4/07 2:08 PM     1087     89-17-1087     mf11     14     0     210     Frag     3     Actual     MD       6/4/07 2:17 PM     1088     89-17-1088     mf18     6     90     51     Frag     10     Approximate     MD       6/4/07 2:24 PM     1089     89-17-1089     mf19     4     -90     45     Scrap Metal     13     Actual     Cultural			0.099	0.003
6/4/07 2:08 PM         1087         89-17-1087         mf11         14         0         210         Frag         3         Actual         MD           6/4/07 2:17 PM         1088         89-17-1088         mf18         6         90         51         Frag         10         Approximate         MD           6/4/07 2:24 PM         1089         89-17-1089         mf19         4         -90         45         Scrap Metal         13         Actual         Cultural	55 578406.39	3751478.51	-0.15	0.137
6/4/07 2:17 PM         1088         89-17-1088         mf18         6         90         51         Frag         10         Approximate         MD           6/4/07 2:24 PM         1089         89-17-1089         mf19         4         -90         45         Scrap Metal         13         Actual         Cultural	578935.40	3751708.01		
6/4/07 2:24 PM 1089 89-17-1089 mf19 4 -90 45 Scrap Metal 13 Actual Cultural	578933.82	3751705.23		
	578936.00	3751703.14		
0/4/07 0 00 014 4000 00 47 4000 400 40 40 00 00 00 00 00 00 00 00	578936.90	3751704.30		
6/4/07 2:29 PM   1090   89-17-1090   mf20   16   90   300   Frag   9   Actual   MD	578938.15	3751704.42		
6/4/07 2:01 PM   1091   89-17-1091   mf6   12   0   242   Frag   5   Actual   MD	578930.15	3751700.99		
6/5/07 8:24 AM   1092   89-17-1092   mf35   22   0   355   Frag   10   Actual   MD	578943.49	3751707.84		
6/5/07 8:36 AM   1093   89-17-1093   mf36   7   0   0   Frag   4   Approximate   MD	578943.51	3751709.84		
6/5/07 8:40 AM   1094   89-17-1094   mf37   8   45   270   Nose Frag   7   Actual   MD	578946.76	3751707.84		
6/5/07 8:48 AM   1095   89-17-1095   mf38   1   0   0   Frag   1   Actual   MD	578948.61	3751703.05		
6/5/07 8:56 AM 1096 89-17-1096 mf46 15 -90 260 Frag 13 Actual MD	578950.24	3751705.80		
6/5/07 9:17 AM 1097 89-17-1097 mf47 5 0 120 Rock 5 Actual Rock	578954.25	3751703.79		
6/5/07 9:15 AM 1098 89-17-1098 mf48 1 0 0 Rock 1 Actual Rock	578954.64	3751704.29		
6/4/07 1:59 PM 1099 89-16-1099 mf12 1 0 0 Scrap Metal 4 Actual Cultural	578934.16	3751699.82		
6/4/07 1:56 PM 1100 89-16-1100 mf5 3 0 0 Frag 1 Approximate MD	578930.82	3751696.49		
6/4/07 1:53 PM 1101 89-16-1101 mf13 32 0 85 Nose Frag 8 Actual MD	578934.26	3751696.13		
6/4/07 12:52 PM 1102 89-16-1102 mf16 25 0 285 Frag 16 Actual MD	578936.40	3751695.45		
6/4/07 1:45 PM 1103 89-16-1103 mf17 16 90 70 Frag 19 Actual MD	578935.99	3751697.50		
6/4/07 12:48 PM 1104 89-16-1104 nf22+23 7 0 239 Halfshell 19 Actual MD	578937.75	3751695.86		
8/1/07 1:00 PM	578937.85	3751695.74		
6/4/07 12:43 PM	578937.01	3751693.38		
6/4/07 12:18 PM 1107 89-16-1107 mf15 3 0 300 Frag 5 Approximate MD	578934.74	3751692.13		
6/4/07 12:41 PM 1108 89-16-1108 mf30 4 0 120 Frag 3 Actual MD	578942.38	3751690.05		
6/4/07 12:39 PM 1109 89-16-1109 mf29 2 0 89 Scrap Metal 9 Actual Cultural	578943.61			
6/5/07 10:30 AM 1110 89-16-1110 mf40 5 0 0 Rock 1 Approximate Rock	Soil			
6/4/07 12:32 PM 1111 89-16-1111 mf28 5 0 50 Frag 3 Actual MD	578944.51	3751685.06		
6/5/07 10:35 AM 1112 89-16-1112 mf41 2 0 330 Frag 3 Actual MD	578950.20			
6/5/07 10:33 AM 1113 89-16-1113 mf42 3 0 0 Rock 1 Approximate Rock	Soil			
6/5/07 10:36 AM 1114 89-16-1114 mf43 18 -45 120 Frag 9 Actual MD	578953.57	3751686.96		
6/5/07 10:42 AM 1115 89-16-1115 mf44 22 0 170 Frag 13 Actual MD	578954.66			

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

COUNTY   1116   BR-16-1116   73   80   90   90   Seeds   11   45   Actual   Seed feem   57889.08   3751647.8   57889.27   3751646.78   -0.0527   COUNTY   1411   1117   BR-16-1119   67   53   -45   90   Seeds   12   45   Actual   Seed feem   57889.68   3751647.8   57889.27   3751645.3   3751647.8   0.0227   COUNTY   1411   BR-16-1119   67   53   -45   90   Seeds   12   45   Actual   Seed feem   57889.68   3751647.8   57889.3   3751647.8   0.0227   COUNTY   1411   BR-16-1119   67   53   -45   90   Seeds   14   45   Actual   Seed feem   57889.68   3751647.8   3751647.8   0.0267   COUNTY   1411   BR-16-1120   11   2   0   180   Halfshell   8   30   Actual   MD   57889.05   3751642.8   3751647.8   0.0267   COUNTY   1411   COUNT														UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
TimeStamp   Alias   Anomaly ID   D   Depth					(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
Face	TimeCtome	Alian	A	Flag		Donath	la alia ati an	Aminocusto	l-landification		Lawash		Dia Tana	Faction :	Negative		No oth to o	A.F. adia a	ANadia
627107 1-14 PM   1117   89-16-1117   24   10   -45   300   Seeds   9   45   Actual   Seed Item   \$75924.28   3751647.88   3751647.88   0.0227   0.0263   0				עו															ŭ
62507 3-49 PM   1118   88-16-1118   50   90   30   0   Seeds   12   46   Actual   Seed term   78906.23   375168.61   57897.54   375168.61   57897.54   375168.61   57897.54   375168.61   57890.77   375168.52   57800.77   375168.52   3								ŭ											-0.007
6221071348 PM   1119   88-16-11190   67   53   4-56   90   Seeds   14   45   Actual   Seed Bern   578900.82   3751955.31   57990.77   375195.53   0.05071   6221072 40 PM   1120   88-10-1120   1   2   0   190   1418/hell   8   30   Actual   MD   57890.27   375184.94   57990.78   375196.82   3																			-0.048
621/07/220 PM   1120   89-16-1120   11   2   0   180   Halfhell   8   30   Actual   MD   57892.59   371892.69   57892.64   3751892.67   0.0517								_											0.039
622107 215 PM   1122   88-141-1121   9   5   -99   350   Basepipite   5   11   Actual   MD   578962.77   3751694.94   578902.75   3751694.94   0.013   622107 215 PM   1123   89-16-1123   7   8   0   320   Halfshell   8   30   Actual   MD   578966.27   3751690.94   578962.73   5751690.79   0.013   622107 215 PM   1123   89-16-1123   7   8   0   320   Halfshell   8   30   Actual   MD   578966.27   3751690.94   578962.73   5751690.79   0.003   622107 215 PM   1125   89-16-1123   7   8   0   0   0   No Connect   6   0   Actual   Dill'   0.003   0																			-0.069
62107   1019 AM   1122   88-16-1123   7   8   6   130   Actual   MD   57886.28   3751866.79   375866.79   37686.79   37686.27   3751866.79   37686.70   37686.79							_												0.116
622107 2:16 PM   1123   89-16-1124   20   0 0 0 0 0 No Control 6 0 Actual   MD   579866.73   757690.84   57969.94   -0.083   -0.083   -0.087   -0.083   -0			_																0.019
																			0
627107 216 PM   1126   89-16-1126   33   30   0   0   No Contact 5   0   Actual   Actual   No Contact 5   0   Actual   A					•	_		320			30	Actual					3751690.94	-0.083	-0.101
Actual   Mo   Contact   September   Sept	8/2/07 7:10 AM	1124	89-16-1124		20	0	0			6		Actual	Dig 1104	578937.76	3751695.89				
62/107/225 PM   1128   63/17/132   44   50   45   180   Seeds   12   45   Actual   Seed Item   579004.97   3751703.43   579004.91   3751703.46   0.056   120   140   Frag   5   12   Actual   MD   57892.55   3751703.57   57892.60   0.047									Scrap Metal			Actual	Cultural						0.092
622107 2:16 PM   1128   89-17-1128   8   5   0   140   Frag   5   12   Actual   MD   578802.56   3751704.37   578802.60   3751704.38   -0.0347				ļ				Ŭ			-								0.05
Fig. 107.274 PM   1129				ļ															-0.031
																			0.007
E27107 2:18 PM   1131   89-17-1133   48   32   -90   90   Halfshell   13   30   Actual   MD   57899519   3751713.65   578994.92   3751713.73   0.2735	6/20/07 2:48 PM	1129	88-17-1129			0	-	120	Frag			Actual	MD	578820.32					-0.066
Fig. 107 2:30 PM   1132   90:17:132   13   2   0   0   Nose Frag   3   7   Actual   MD   579004.82   3751720.33   579004.83   3751720.55   -0.0083   62:107 2:38 PM   1134   89:17:1134   39   33   90   0   Baseplate   6   15   Actual   MD   579017.77   3751721.68   579017.72   3751721.68   0.0657   62:107 2:08 PM   1135   89:17:1135   12   5   0   30   Halfshell   8   30   Actual   MD   579017.72   3751741.68   0.0063   62:107 2:08 PM   1136   89:17:1135   12   5   0   30   Halfshell   8   30   Actual   MD   579082.32   3751740.93   57892.32   37517470.93   57892.32   37517470.93   57892.32   37517470.93   57892.32   3751540.93   57906.72   3751540.93   3751540.93   3751540.93   3751540.93   3751540.93   3751540.93   3751540.93   3751540.9												Actual							0.096
E/21/07 2-29 PM   1133   90-77-1133   12   3   0   50   Halfshell   7   30   Actual   MD   578917.77   3751721.68   579917.72   3751721.63   0.0573	6/21/07 2:18 PM	1131	89-17-1131		46	32	-90	90	Halfshell	13	30	Actual	MD	578995.19	3751713.65	578994.92	3751713.73	0.2735	-0.08
Fig. 107 2-38 PM   1134   39-17-1134   339   33   90   0   Baseplate   6   15   Actual   MD   578971.63   3751737.72   578971.60   3751737.79   0.0293	6/21/07 2:30 PM	1132	90-17-1132		13	2	0	0	Nose Frag	3	7	Actual	MD	579004.82	3751720.33	579004.83	3751720.35	-0.0083	-0.027
625/07 2:27 PM   1136   98-17-1135   12   5   0   30   Halfshell   8   30   Actual   MD   579067.28   3751527.53   579067.23   375157.86   0.0053   625/07 1:27 PM   1136   90-15-1136   65   50   45   40   Baseplate   7   11   Actual   MD   579067.28   3751527.53   579067.25   579	6/21/07 2:29 PM	1133	90-17-1133		12	3	0	50	Halfshell	7	30	Actual	MD	579017.77	3751721.68	579017.72	3751721.63	0.0573	0.048
62507 12:27 PM   1138   90-15-1136   65   50   -45   40   Baseplate   7   11   Actual   MD   579067.28   3751527.53   579067.23   3751527.55   0.0487   62507 12:21 PM   1137   84-14-1137   15   3   0   90   Nose Frag   3   7   Actual   MD   579061.45   3751530.04   579061.50   3751530.02   -0.0457   62507 3:14 PM   1138   90-15-1138   25   37   -90   100   Halfshell   5   30   Actual   MD   579061.45   3751540.98   579056.65   3751540.98   -0.178   62507 3:14 PM   1139   90-15-1139   22   14   0   60   Baseplate   5   11   Actual   MD   579096.96   3751549.96   579059.66   3751549.98   7909.60   3751549.98   7909.60   3751549.98   7909.90   60   779056.98   7909.60   3751549.98   7909.90   60   779056.98   7909.90   7909.60   3751550.02   -0.043   62507 1:57 AM   1141   90-15-1141   10   0   0   180   Baseplate   5   11   Actual   MD   57909.91   3751556.54   57909.20   3751556.55   672507 1:20 PM   1144   90-15-1142   17   5   -90   160   Baseplate   5   11   Actual   MD   57909.91   3751557.48   57909.55   3751557.44   -0.0615   62507 1:20 PM   1143   90-15-1143   34   28   -90   30   Halfshell   15   30   Actual   MD   57909.59   3751557.48   57909.55   57575.44   -0.0615   62507 1:20 PM   1144   90-15-1144   29   38   45   160   Baseplate   6   12   Actual   MD   57909.58   3751570.32   57903.58   3751570.29   -0.073   62507 1:23 PM   1145   90-15-1146   8   4   -45   170   Baseplate   5   11   Actual   MD   57904.70   3751593.49   57904.67   3751593.48   0.0277   62507 1:23 PM   1145   90-15-1146   8   4   -45   170   Baseplate   5   11   Actual   MD   57901.73   3751593.49   57904.67   3751593.48   0.0277   62507 1:23 PM   1145   90-16-1146   7   8   9   0   300   Frag   3   12   Actual   MD   57901.73   3751593.49   57904.67   3751593.48   0.0277   62507 1:23 PM   1145   90-16-1148   17   8   9   0   300   Frag   3   12   Actual   MD   57901.73   3751593.49   57904.67   3751593.48   0.0277   62507 1:23 PM   1145   90-16-1148   17   8   9   0   300   Frag   3   14   Actual   MD   57903.93   3751610.75	6/21/07 2:38 PM	1134	89-17-1134		39	33	-90	0	Baseplate	6	15	Actual	MD	578971.63	3751737.72	578971.60	3751737.79	0.0293	-0.074
6/25/07 12:21 PM   1137	6/21/07 2:08 PM	1135	89-17-1135		12	5	0	30	Halfshell	8	30	Actual	MD	578932.32	3751740.93	578932.32	3751740.88	-0.0053	0.057
6/25/07 2:11 PM 1138 90-15-1138 25 37 -90 100 Halfshell 5 30 Actual MD 579056.58 3751540.75 579056.76 3751540.98 -0.178 6/25/07 3:14 PM 1139 90-15-1139 22 14 0 0 60 Baseplate 5 11 Actual MD 579069.61 3751549.96 579056.66 3751549.98 -0.043 MD 579029.91 37515549.96 579059.20 3751552.56 0.1793 6/25/07 11:57 AM 1141 90-15-1141 10 0 0 180 Baseplate 5 11 Actual MD 579039.38 3751552.47 579039.20 3751552.56 0.1793 6/25/07 11:57 AM 1141 90-15-1141 10 0 0 180 Baseplate 5 11 Actual MD 579039.31 3751556.54 579039.24 3751556.33 -0.1123 6/25/07 12:05 PM 1143 90-15-1143 34 28 -90 30 Halfshell 15 30 Actual MD 579055.09 3751557.48 579055.15 3751557.44 -0.0615 6/25/07 12:05 PM 1143 90-15-1144 29 38 45 160 Baseplate 6 12 Actual MD 579029.02 3751563.88 3751570.29 -0.0033 6/25/07 12:33 PM 1145 90-15-1145 7 0 0 0 Baseplate 6 12 Actual MD 57903.87 3751570.32 579038.88 3751570.29 -0.0033 6/25/07 12:33 PM 1145 90-15-1145 8 4 -45 170 Baseplate 5 11 Actual MD 579007.12 3751587.50 579007.15 3751587.30 579007.	6/25/07 2:27 PM	1136	90-15-1136		65	50	-45	40	Baseplate	7	11	Actual	MD	579067.28	3751527.53	579067.23	3751527.56	0.0487	-0.027
6/25/07 13:08 PM 1139 90-15-1139 22 14 0 60 Baseplate 5 11 Actual MD 579069.61 3751549.86 579069.66 3751549.87 -0.043 6025/07 12:08 PM 1140 84-14-1140 4 4 0 0 0 Nose Frag 1 7 Actual MD 579023.83 3751552.47 579029.20 3751552.56 0.1793 6025/07 13:07 PM 1141 90-15-1141 1 0 0 0 0 180 Baseplate 5 11 Actual MD 579039.13 3751556.54 759039.20 3751555.53 -0.1123 6025/07 3:20 PM 1142 90-15-1142 17 5 -90 160 Baseplate 5 11 Actual MD 57905.09 3751557.48 579039.24 3751557.44 -0.0615 6025/07 12:05 PM 1143 90-15-1143 34 28 -90 30 Halfshell 15 30 Actual MD 579030.20 3751557.48 57905.51 375157.44 -0.0615 6025/07 12:03 PM 1143 90-15-1144 29 38 45 160 Baseplate 6 12 Actual MD 57903.87 3751570.32 579035.89 3751570.32 579035.80 375157	6/25/07 12:21 PM	1137	84-14-1137		15	3	0	90	Nose Frag	3	7	Actual	MD	579061.45	3751530.04	579061.50	3751530.02	-0.0457	0.027
6/25/07 12:08 PM 1140 84-14-1140 4 4 0 0 0 Nose Frag 1 7 Actual MD 579029.38 3751552.47 579029.20 3751552.56 0.1793 6/25/07 11:57 AM 1141 90-15-1141 10 0 0 180 Baseplate 5 11 Actual MD 579039.13 3751556.54 579039.24 3751556.34 579039.24 3751556.34 579039.24 3751556.34 579039.24 3751563.39 -0.1123 6/25/07 12:05 PM 1142 90-15-1143 34 28 -90 30 Halfshell 15 30 Actual MD 579029.02 3751563.89 579029.09 3751563.82 -0.0753 6/25/07 11:48 AM 1144 90-15-1144 29 38 45 160 Baseplate 6 12 Actual MD 579035.87 3751570.29 -0.0033 6/25/07 11:45 AM 1146 90-15-1145 7 0 0 0 0 Baseplate 4 11 Actual MD 579035.87 3751570.29 -0.0033 6/25/07 12:30 PM 1147 84-14-1147 8 9 0 0 300 Frag 3 12 Actual MD 57904.70 3751593.49 57904.67 3751593.48 0.0277 6/25/07 12:30 PM 1148 90-16-1148 17 8 8 9 0 300 Frag 3 12 Actual MD 57901.73 3751597.1 3751595.11 0.068 6/21/07 2:58 PM 1148 90-16-1148 07 8 8 0 120 Frag 3 14 Actual MD 579025.09 375160.78 57901.80 3751595.14 0.088 6/25/07 11:37 AM 1159 90-16-1150 3 5 0 0 Nose Frag 2 7 Actual MD 57903.89 375160.79 57903.89 375160.77 0.0233 6/25/07 11:37 AM 1152 90-16-1151 8 4 0 170 Nose Frag 3 7 Actual MD 57903.99 375160.78 57903.58 375160.70 0.0287 6/25/07 11:37 AM 1152 90-16-1152 23 111 0 60 Nose Frag 2 7 Actual MD 57903.89 375160.78 57903.29 375160.77 0.0233 6/25/07 11:37 AM 1152 90-16-1152 23 11 0 60 Nose Frag 2 7 Actual MD 57903.89 375160.78 57903.29 375160.77 0.0233 6/25/07 11:37 AM 1152 90-16-1152 23 11 0 60 Nose Frag 2 7 Actual MD 57903.89 375160.78 57903.29 375160.77 0.0233 6/25/07 11:37 AM 1154 90-16-1154 11 5 0 180 Nose Frag 2 7 Actual MD 57903.89 375160.00 375160.70 0.0337 6/25/07 11:37 AM 1155 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 57903.89 375160.00 375160.00 0.0337 6/25/07 11:37 AM 1155 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 57903.89 375160.00 375160.00 0.0337 6/25/07 11:37 AM 1155 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 57903.89 375160.00 375160.00 0.034 6/25/07 11:37 AM 1156 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 57903.89 375163.49 375163.30 0.375163.30 0.3075 6/25/07 11:37	6/25/07 2:11 PM	1138	90-15-1138		25	37	-90	100	Halfshell	5	30	Actual	MD	579056.58	3751540.75	579056.76	3751540.98	-0.178	-0.226
6/25/07 11:57 AM 1141 90-15-1141 10 0 0 180 Baseplate 5 11 Actual MD 579039.13 3751556.54 579039.24 3751556.33 -0.1123 6/25/07 12:05 PM 1142 90-15-1142 17 5 -90 160 Baseplate 5 11 Actual MD 57905.09 3751557.48 579055.15 3751557.44 -0.0615 6/25/07 12:05 PM 1143 90-15-1144 29 38 45 160 Baseplate 6 12 Actual MD 579038.87 3751570.32 579038.88 3751570.29 -0.0033 6/25/07 11:33 PM 1145 90-15-1146 87 0 0 0 Baseplate 4 11 Actual MD 579038.87 3751570.32 579038.88 3751570.29 -0.0033 6/25/07 11:35 PM 1146 90-15-1146 88 4 -45 170 Baseplate 5 11 Actual MD 579007.12 3751587.50 579007.15 3751587.37 -0.0243 6/25/07 12:30 PM 1147 84-14-1147 8 9 9 0 300 Frag 3 12 Actual MD 579011.73 3751595.17 579011.80 3751597.34 0.0887 6/21/07 2:58 PM 1148 90-16-1148 17 8 8 9 0 76 300 Frag 3 12 Actual MD 579011.73 3751595.17 579011.80 3751597.34 0.0887 6/21/07 2:99 PM 1149 90-16-1149 7 8 0 120 Frag 3 14 Actual MD 579011.28 3751507.4 579011.19 3751597.34 0.0887 6/21/07 2:99 PM 1149 90-16-1149 7 8 0 120 Frag 3 14 Actual MD 579010.73 3751601.76 579039.25 3751601.76 0.0287 6/22/07 11:41 AM 1150 90-16-1150 3 5 0 0 Nose Frag 2 7 Actual MD 57901.03 3751601.76 579039.25 3751610.67 0.0283 6/25/07 11:20 AM 1150 90-16-1151 8 4 0 0 170 Nose Frag 2 7 Actual MD 57904.26 375161.07 57903.92 3751610.76 3751605.77 -0.0233 6/25/07 11:20 AM 1153 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 57904.86 375161.07 57903.93 3751610.07 57903.93 3751610.07 57903.93 3751610.07 57903.93 3751610.07 0.0383 6/25/07 11:20 AM 1153 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 57904.86 375161.01 57904.26 375161.07 0.0383 6/25/07 11:20 AM 1154 90-16-1155 4 1 1 0 0 0 Nose Frag 2 7 Actual MD 57903.89 375161.07 57903.80 375161.07 0.0383 6/25/07 11:20 AM 1155 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 57903.89 375161.07 57903.80 375163.00 37503.30 375163.30 3	6/25/07 3:14 PM	1139	90-15-1139		22	14	0	60	Baseplate	5	11	Actual	MD	579069.61	3751549.86	579069.66	3751549.87	-0.043	-0.007
6/25/07 3:20 PM 1142 90-15-1142 17 5 -90 160 Baseplate 5 11 Actual MD 579055.09 3751557.48 579055.15 375157.44 -0.0615 6/25/07 12:05 PM 1143 90-15-1143 34 28 -90 30 Halfshell 15 30 Actual MD 579029.02 3751563.89 579029.09 3751563.82 -0.0753 6/25/07 11:33 PM 1145 90-15-1144 29 38 45 160 Baseplate 6 12 Actual MD 579035.87 3751570.25 579035.88 3751570.29 -0.0033 6/25/07 12:33 PM 1145 90-15-1145 7 0 0 0 0 Baseplate 4 11 Actual MD 57907.12 3751587.50 57907.15 3751587.37 -0.0243 6/25/07 11:45 AM 1146 90-15-1146 8 4 -45 170 Baseplate 5 11 Actual MD 579044.70 3751593.49 579044.67 3751593.48 0.0277 6/25/07 12:30 PM 1147 84-14-1147 8 9 9 0 300 Frag 3 12 Actual MD 579044.70 3751595.17 579011.80 3751595.11 -0.068 6/21/07 2:58 PM 1148 90-16-1148 17 8 8 8 90 Frag 3 10 Actual MD 579011.73 3751595.17 579011.19 3751597.34 0.0887 6/21/07 2:54 PM 1149 90-16-1149 7 8 0 120 Frag 3 14 Actual MD 579011.73 3751505.06 3751601.76 0.0287 6/25/07 11:37 AM 1151 90-16-1150 3 5 0 0 Nose Frag 2 7 Actual MD 579010.73 3751605.79 57901.07 6 3751605.77 -0.0233 6/25/07 11:37 AM 1151 90-16-1151 8 4 0 0 170 Nose Frag 2 7 Actual MD 579042.66 3751612.01 579042.56 3751612.07 0.0983 6/25/07 11:37 AM 1152 90-16-1152 23 11 0 60 Nose Frag 2 7 Actual MD 579043.84 3751617.05 57903.92 3751610.67 0.0233 6/25/07 11:37 AM 1151 90-16-1153 6 2 0 0 270 Nose Frag 2 7 Actual MD 579043.84 3751612.01 579042.56 3751612.07 0.0983 6/25/07 11:32 AM 1153 90-16-1153 6 2 0 0 270 Nose Frag 2 7 Actual MD 579043.84 3751612.01 579042.56 3751612.07 0.0983 6/25/07 11:32 AM 1153 90-16-1153 6 2 0 0 270 Nose Frag 2 7 Actual MD 579043.84 3751614.14 579043.80 3751614.14 0.0337 6/25/07 11:32 AM 1155 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 579043.86 3751634.04 579034.93 3751631.00 0.0337 6/25/07 11:55 AM 1155 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 579043.86 3751634.04 579034.93 3751634.00 579035.93 3751634.04 579034.93 3751634.04 579034.93 3751634.04 579034.93 3751634.04 579034.93 3751634.04 579034.93 3751634.04 579034.93 3751634.04 579034.93 3751634.04 579034.93 3751634.04 579	6/25/07 12:08 PM	1140	84-14-1140		4	4	0	0	Nose Frag	1	7	Actual	MD	579029.38	3751552.47	579029.20	3751552.56	0.1793	-0.089
6/25/07 12:35 PM 1143 90-15-1143 34 28 -90 30 Halfshell 15 30 Actual MD 579029.02 3751563.89 579029.09 3751563.82 -0.0753 6/25/07 11:48 AM 1144 90-15-1144 29 38 45 160 Baseplate 6 12 Actual MD 579035.87 3751570.32 579035.88 3751570.29 -0.0033 6/25/07 12:33 PM 1145 90-15-1145 7 0 0 0 0 Baseplate 4 11 Actual MD 57907.12 3751587.50 579035.88 3751570.29 -0.0033 6/25/07 11:45 AM 1146 90-15-1146 8 4 -45 170 Baseplate 5 11 Actual MD 57904.17 3751593.49 57904.67 3751593.48 0.0277 6/25/07 12:30 PM 1147 84-11417 8 9 0 0 300 Frag 3 12 Actual MD 579011.73 3751595.17 579011.80 3751593.48 0.0277 6/25/07 12:30 PM 1148 90-16-1148 17 8 8 9 0 300 Frag 3 10 Actual MD 579011.28 3751597.41 579011.19 3751597.34 0.0887 6/21/07 2:58 PM 1148 90-16-1149 7 7 8 0 120 Frag 3 14 Actual MD 579012.09 3751601.76 0.0287 6/21/07 2:49 PM 1149 90-16-1150 3 5 0 0 Nose Frag 2 7 Actual MD 57903.93 3751601.75 57903.92 5 3751601.76 0.0287 6/25/07 11:41 AM 1151 90-16-1151 8 4 0 170 Nose Frag 2 7 Actual MD 57903.93 3751601.75 57903.92 5 3751610.67 0.1365 6/25/07 11:20 AM 1153 90-16-1152 23 11 0 60 Nose Frag 2 7 Actual MD 579042.66 3751610.67 0.0283 6/25/07 11:20 AM 1153 90-16-1153 6 2 0 270 Nose Frag 2 7 Actual MD 579042.66 3751612.01 579042.66 3751610.67 0.0387 6/25/07 11:20 AM 1153 90-16-1153 6 2 0 270 Nose Frag 2 7 Actual MD 579043.84 3751614.14 579042.66 3751610.07 0.0983 6/25/07 11:20 AM 1153 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 579043.84 3751614.14 579043.80 3751610.07 0.0983 6/25/07 11:20 AM 1153 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 57903.59 375163.00 57903.62 375163.00 0.0337 6/25/07 11:20 AM 1154 90-16-1156 113 4 1 0 0 0 Nose Frag 2 7 Actual MD 579043.66 3751612.01 579042.66 375163.00 0.0337 6/25/07 11:20 AM 1155 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 579043.66 3751642.01 579042.66 375163.00 0.0337 6/25/07 11:20 AM 1155 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 579043.66 3751642.01 579043.80 375163.30 0.3075 6/25/07 11:25 AM 1155 90-16-1156 133	6/25/07 11:57 AM	1141	90-15-1141		10	0	0	180	Baseplate	5	11	Actual	MD	579039.13	3751556.54	579039.24	3751556.33	-0.1123	0.204
6/25/07 11:48 AM 1144 90-15-1144 29 38 45 160 Baseplate 6 12 Actual MD 579035.87 3751570.32 579035.88 3751570.29 -0.0033 6/25/07 12:33 PM 1145 90-15-1145 7 0 0 0 0 Baseplate 4 11 Actual MD 579007.12 3751587.50 579007.15 3751587.37 -0.0243 6/25/07 11:34 AM 1146 90-15-1146 8 4 -45 170 Baseplate 5 11 Actual MD 579044.70 3751593.49 579044.67 3751593.48 0.0277 6/25/07 12:30 PM 1147 84-14-1147 8 9 0 0 300 Frag 3 12 Actual MD 579011.73 3751595.17 579011.80 3751595.11 -0.068 6/21/07 2:58 PM 1148 90-16-1148 177 8 8 8 90 Frag 3 10 Actual MD 579011.28 3751595.17 579011.80 3751595.14 0.0887 6/21/07 2:54 PM 1149 90-16-1149 7 8 0 0 120 Frag 3 14 Actual MD 579012.28 3751601.78 579025.06 3751601.76 0.0287 6/25/07 11:37 AM 1151 90-16-1150 3 5 0 0 Nose Frag 2 7 Actual MD 579010.73 3751605.79 579010.76 3751605.77 -0.0233 6/25/07 11:37 AM 1152 90-16-1152 23 11 0 60 Nose Frag 2 7 Actual MD 57903.93 3751610.07 579039.25 3751610.67 0.0385 6/25/07 11:20 AM 1153 90-16-1153 6 2 0 270 Nose Frag 2 7 Actual MD 57903.84 3751612.01 579042.65 3751612.07 0.0983 6/25/07 11:12 AM 1154 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 57903.84 3751614.14 579043.80 3751614.14 0.0337 6/25/07 11:12 AM 1154 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 57903.59 375163.00 57903.55 3751610.67 0.0385 6/25/07 11:12 AM 1154 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 57903.59 375163.00 57903.56 3751612.07 0.0983 6/25/07 11:12 AM 1154 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 57903.59 375163.00 57903.56 375163.00 57903.56 375163.00 57903.50 375163.00 57903.50 375163.00 57903.50 375163.00 57903.50 375163.30 3.0075 6/25/07 11:12 AM 1155 90-16-1156 133	6/25/07 3:20 PM	1142	90-15-1142		17	5	-90	160	Baseplate	5	11	Actual	MD	579055.09	3751557.48	579055.15	3751557.44	-0.0615	0.042
6/25/07 12:33 PM 1145 90-15-1145 7 0 0 0 0 Baseplate 4 11 Actual MD 57907.12 3751587.50 57907.15 3751587.37 -0.0243 6/25/07 11:45 AM 1146 90-15-1146 8 4 -45 170 Baseplate 5 11 Actual MD 579044.70 3751593.49 579044.67 3751593.48 0.0277 6/25/07 12:30 PM 1147 84-14-1147 8 9 0 0 300 Frag 3 12 Actual MD 579011.73 3751595.11 579011.80 3751595.11 -0.068 6/21/07 2:58 PM 1148 90-16-1148 17 8 8 9 0 120 Frag 3 10 Actual MD 579011.28 3751597.41 579011.19 3751597.34 0.0887 6/21/07 2:54 PM 1149 90-16-1149 7 8 0 120 Frag 3 14 Actual MD 579012.8 3751597.41 579011.80 3751597.34 0.0887 6/21/07 2:54 PM 1149 90-16-1149 7 8 0 120 Frag 3 14 Actual MD 579025.09 3751601.78 579025.06 3751601.76 0.0287 6/21/07 2:49 PM 1150 90-16-1150 3 5 0 0 Nose Frag 2 7 Actual MD 579010.73 3751605.79 579010.76 3751605.77 -0.0233 6/25/07 11:37 AM 1151 90-16-1151 8 4 0 0 170 Nose Frag 2 7 Actual MD 579039.39 3751610.75 579039.25 3751610.67 0.1365 6/25/07 11:20 AM 1153 90-16-1152 23 11 0 60 Nose Frag 2 7 Actual MD 579034.84 375161.14 579042.66 3751612.07 0.0983 6/25/07 11:20 AM 1153 90-16-1154 11 5 0 180 Nose Frag 2 7 Actual MD 579035.59 3751630.00 579035.62 3751630.02 -0.03 6/25/07 11:12 AM 1154 90-16-1155 4 1 1 0 0 0 Nose Frag 2 7 Actual MD 579035.59 3751630.00 579035.62 3751630.02 -0.03 6/25/07 11:12 AM 1154 90-16-1155 4 1 1 0 0 0 Nose Frag 2 7 Actual MD 579036.59 3751630.00 579035.62 3751630.00 -0.03 6/25/07 11:12 AM 1154 90-16-1155 4 1 1 0 0 0 Nose Frag 2 7 Actual MD 579036.59 3751630.00 579035.62 3751630.00 -0.03 6/25/07 11:12 AM 1154 90-16-1155 4 1 1 0 0 0 Nose Frag 2 7 Actual MD 579036.59 3751630.00 579035.62 3751630.00 -0.03 6/25/07 11:12 AM 1155 90-16-1155 4 1 1 0 0 0 Nose Frag 2 7 Actual MD 579036.63 3751630.00 579035.62 3751630.00 -0.03 6/25/07 11:12 AM 1156 90-16-1156 133	6/25/07 12:05 PM	1143	90-15-1143		34	28	-90	30	Halfshell	15	30	Actual	MD	579029.02	3751563.89	579029.09	3751563.82	-0.0753	0.071
6/25/07 11:45 AM 1146 90-15-1146 8 4 -45 170 Baseplate 5 11 Actual MD 579044.70 3751593.49 579044.67 3751593.48 0.0277 6/25/07 12:30 PM 1147 84-14-1147 8 9 0 0 300 Frag 3 12 Actual MD 579011.73 3751595.17 579011.80 3751595.11 -0.068 6/21/07 2:58 PM 1148 90-16-1148 17 8 8 9 0 Frag 3 10 Actual MD 579011.28 3751597.41 579011.19 3751597.34 0.0887 6/21/07 2:49 PM 1149 90-16-1149 7 8 0 120 Frag 3 14 Actual MD 579025.09 3751601.78 579025.06 3751601.76 0.0287 6/21/07 2:49 PM 1150 90-16-1150 3 5 0 0 Nose Frag 2 7 Actual MD 579039.39 3751601.75 579039.25 3751610.67 0.1365 6/25/07 11:37 AM 1152 90-16-1152 23 11 0 60 Nose Frag 2 7 Actual MD 579042.66 3751612.01 579042.56 3751612.07 0.0983 6/25/07 11:20 AM 1153 90-16-1153 6 2 0 270 Nose Frag 2 7 Actual MD 579043.84 375161.14 579043.80 3751614.14 0.0337 6/25/07 11:12 AM 1154 90-16-1155 4 1 0 0 0 Nose Frag 2 7 Actual MD 579035.59 3751630.00 579035.62 3751630.02 -0.03 6/25/07 11:12 AM 1155 90-16-1155 4 1 0 0 Nose Frag 3 7 Actual MD 579035.59 3751630.00 579035.62 3751630.00 579035.62 3751630.00 579035.62 3751630.00 579035.62 3751630.00 579035.62 3751630.00 579035.62 3751630.00 579035.62 3751630.00 579035.62 3751630.00 579035.62 3751633.30 0.3075 6/25/07 11:21 PM 1156 90-16-1156 133	6/25/07 11:48 AM	1144	90-15-1144		29	38	45	160	Baseplate	6	12	Actual	MD	579035.87	3751570.32	579035.88	3751570.29	-0.0033	0.027
6/25/07 12:30 PM 1147 84-14-1147 8 9 0 300 Frag 3 12 Actual MD 579011.73 3751595.17 579011.80 3751595.11 -0.068 6/21/07 2:58 PM 1148 90-16-1148 17 8 8 9 0 Frag 3 10 Actual MD 579011.28 3751597.41 579011.19 3751597.34 0.0887 6/21/07 2:54 PM 1149 90-16-1149 7 8 0 120 Frag 3 14 Actual MD 579025.09 3751601.78 579025.06 3751601.76 0.0287 6/21/07 2:49 PM 1150 90-16-1150 3 5 0 0 Nose Frag 2 7 Actual MD 57903.09 3751601.75 57903.25 3751605.77 -0.0233 6/25/07 11:37 AM 1151 90-16-1152 23 11 0 60 Nose Frag 2 7 Actual MD 57903.99 3751610.75 57903.25 3751610.67 0.1365 6/25/07 11:20 AM 1153 90-16-1153 6 2 0 270 Nose Frag 2 7 Actual MD 579042.66 3751612.01 579042.56 3751610.70 0.0983 6/25/07 11:12 AM 1154 90-16-1154 11 5 0 180 Nose Frag 2 7 Actual MD 579035.59 3751630.00 579035.62 3751630.02 -0.03 6/25/07 11:15 AM 1155 90-15-1155 4 1 0 0 Nose Frag 2 7 Actual MD 579035.59 3751630.00 579035.62 3751630.02 -0.03 6/25/07 11:15 PM 1156 90-16-1156 133 5 Seeds 35 Actual MD 57903.49 3751631.42 579034.58 578449.58 3751478.46 -0.089 7/17/07 2:41 PM 1158 84-14-1157 71.4 45 -45 350 Frag 9.5 12 Actual MD 578449.49 3751478.37 578449.58 3751478.46 -0.089 7/17/07 2:41 PM 1158 84-14-1158 22.6 10 0 150 Halfshell 6.9 30 Actual MD 578449.49 3751478.37 578449.58 3751478.46 -0.089	6/25/07 12:33 PM	1145	90-15-1145		7	0	0	0	Baseplate	4	11	Actual	MD	579007.12	3751587.50	579007.15	3751587.37	-0.0243	0.134
6/21/07 2:58 PM 1148 90-16-1148 17 8 8 8 90 Frag 3 10 Actual MD 579011.28 3751597.41 579011.19 3751597.34 0.0887 6/21/07 2:54 PM 1149 90-16-1149 7 8 0 120 Frag 3 14 Actual MD 579025.09 3751601.78 579025.06 3751601.76 0.0287 6/21/07 2:49 PM 1150 90-16-1150 3 5 0 0 Nose Frag 2 7 Actual MD 579010.73 3751605.79 579010.76 3751605.77 -0.0233 6/25/07 11:41 AM 1151 90-16-1151 8 4 0 170 Nose Frag 3 7 Actual MD 579039.39 3751610.75 579039.25 3751610.67 0.1365 6/25/07 11:37 AM 1152 90-16-1152 23 11 0 60 Nose Frag 2 7 Actual MD 579042.66 3751612.01 579042.56 3751612.07 0.0983 6/25/07 11:120 AM 1153 90-16-1153 6 2 0 270 Nose Frag 2 7 Actual MD 579043.84 3751614.14 579043.80 3751614.14 0.0337 6/25/07 11:12 AM 1154 90-16-1155 1 1 5 0 180 Nose Frag 3 7 Actual MD 579035.59 375163.00 579035.62 3751630.02 -0.03 6/25/07 11:55 AM 1155 90-15-1155 4 1 0 0 Nose Frag 2 7 Actual MD 579035.69 375163.68 579037.33 3751563.08 579037.33 3751563.08 579037.33 3751563.30 0.34 7/18/07 9:09 AM 1157 84-14-1157 71.4 45 -45 350 Frag 9.5 12 Actual MD 578449.49 3751478.48 578428.57 3751478.46 -0.089 7/17/07 2:41 PM 1158 84-14-1158 22.6 10 0 150 Halfshell 6.9 30 Actual MD 578449.49 3751478.37 578449.58 3751478.46 -0.089	6/25/07 11:45 AM	1146	90-15-1146		8	4	-45	170	Baseplate	5	11	Actual	MD	579044.70	3751593.49	579044.67	3751593.48	0.0277	0.006
6/21/07 2:54 PM 1149 90-16-1149 7 8 0 120 Frag 3 14 Actual MD 579025.09 3751601.78 579025.06 3751601.76 0.0287 6/21/07 2:49 PM 1150 90-16-1150 3 5 0 0 Nose Frag 2 7 Actual MD 579010.73 3751605.79 579010.76 3751605.77 -0.0233 6/25/07 11:41 AM 1151 90-16-1151 8 4 0 170 Nose Frag 3 7 Actual MD 579039.39 3751610.75 579039.25 3751610.67 0.1365 6/25/07 11:37 AM 1152 90-16-1152 23 11 0 60 Nose Frag 2 7 Actual MD 579042.66 3751612.01 579042.56 3751612.07 0.0983 6/25/07 11:20 AM 1153 90-16-1153 6 2 0 270 Nose Frag 2 7 Actual MD 579043.84 3751614.14 579043.80 3751614.14 0.0337 6/25/07 11:12 AM 1154 90-16-1155 1 1 5 0 180 Nose Frag 3 7 Actual MD 579035.59 3751630.00 579035.62 3751630.02 -0.03 6/25/07 11:55 AM 1155 90-15-1155 4 1 0 0 Nose Frag 2 7 Actual MD 579035.63 37516363.00 579035.62 3751630.02 -0.03 8/1/07 12:15 PM 1156 90-16-1156 133 Seeds 35 Actual Seed Item 57903.49 3751631.42 579034.15 375163.33 0.34 7/18/07 9:09 AM 1157 84-14-1157 71.4 45 -45 350 Frag 9.5 12 Actual MD 578449.49 3751478.37 578449.58 3751478.46 -0.089 5700.09 AM 1158 84-14-1158 22.6 10 0 150 Halfshell 6.9 30 Actual MD 578449.49 3751478.37 578449.58 3751478.46 -0.089	6/25/07 12:30 PM	1147	84-14-1147		8	9	0	300	Frag	3	12	Actual	MD	579011.73	3751595.17	579011.80	3751595.11	-0.068	0.062
6/21/07 2:49 PM 1150 90-16-1150 3 5 0 0 Nose Frag 2 7 Actual MD 579010.73 3751605.79 579010.76 3751605.77 -0.0233 6/25/07 11:41 AM 1151 90-16-1151 8 4 0 170 Nose Frag 3 7 Actual MD 579039.39 3751610.75 579039.25 3751610.67 0.1365 6/25/07 11:37 AM 1152 90-16-1152 23 11 0 60 Nose Frag 2 7 Actual MD 579042.66 3751612.01 579042.56 3751612.07 0.0983 6/25/07 11:20 AM 1153 90-16-1153 6 2 0 270 Nose Frag 2 7 Actual MD 579043.84 3751614.14 579043.80 3751614.14 0.0337 6/25/07 11:12 AM 1154 90-16-1154 11 5 0 180 Nose Frag 3 7 Actual MD 579035.59 3751630.02 -0.03 6/25/07 11:55 AM 1155 90-15-1155 4 1 0 0 Nose Frag 2 7 Actual MD 579035.59 3751630.02 -0.03 180/25/07 11:55 AM 1155 90-15-1155 4 1 0 0 Nose Frag 2 7 Actual MD 579035.59 3751630.00 579035.62 3751630.02 -0.03 180/25/07 11:55 AM 1155 90-15-1155 4 1 0 0 Nose Frag 2 7 Actual MD 579037.63 3751563.68 579037.33 3751563.03 0.3075 181/207 12:15 PM 1156 90-16-1156 133 Seeds 35 Actual Seed Item 579034.49 3751631.42 579034.15 3751631.30 0.34 181/207 12:15 PM 1158 84-14-1157 71.4 45 -45 350 Frag 9.5 12 Actual MD 578428.60 3751478.48 578428.57 3751478.47 0.026 17/17/07 2:41 PM 1158 84-14-1158 22.6 10 0 150 Halfshell 6.9 30 Actual MD 578449.49 3751478.37 578449.58 3751478.46 -0.089	6/21/07 2:58 PM	1148	90-16-1148		17	8	8	90	Frag	3	10	Actual	MD	579011.28	3751597.41	579011.19	3751597.34	0.0887	0.064
6/25/07 11:41 AM 1151 90-16-1151 8 4 0 170 Nose Frag 3 7 Actual MD 579039.39 3751610.75 579039.25 3751610.67 0.1365 6/25/07 11:37 AM 1152 90-16-1152 23 11 0 60 Nose Frag 2 7 Actual MD 579042.66 3751612.01 579042.56 3751612.07 0.0983 6/25/07 11:20 AM 1153 90-16-1153 6 2 0 270 Nose Frag 2 7 Actual MD 579043.84 3751614.14 579043.80 3751614.14 0.0337 6/25/07 11:12 AM 1154 90-16-1154 11 5 0 180 Nose Frag 3 7 Actual MD 579035.59 3751630.00 579035.62 3751630.02 -0.03 6/25/07 11:55 AM 1155 90-15-1155 4 1 0 0 Nose Frag 2 7 Actual MD 579035.59 3751630.00 579037.33 3751563.03 0.3075 8/1/07 12:15 PM 1156 90-16-1156 133 Seeds 35 Actual MD 579034.49 3751631.42 579034.15 5	6/21/07 2:54 PM	1149	90-16-1149		7	8	0	120	Frag	3	14	Actual	MD	579025.09	3751601.78	579025.06	3751601.76	0.0287	0.019
6/25/07 11:37 AM 1152 90-16-1152 23 11 0 60 Nose Frag 2 7 Actual MD 579042.66 3751612.01 579042.56 3751612.07 0.0983 6/25/07 11:20 AM 1153 90-16-1153 6 2 0 270 Nose Frag 2 7 Actual MD 579043.84 3751614.14 579043.80 3751614.14 0.0337 6/25/07 11:12 AM 1154 90-16-1154 11 5 0 180 Nose Frag 3 7 Actual MD 579035.59 3751630.00 579035.62 3751630.02 -0.03 6/25/07 11:55 AM 1155 90-15-1155 4 1 0 0 Nose Frag 2 7 Actual MD 579037.63 375163.30 579035.62 3751630.02 -0.03 6/25/07 11:55 PM 1155 90-15-1156 133 5 Seeds 35 Actual MD 579037.63 3751631.42 579034.19 3751631.30 0.34 7/18/07 9:99 AM 1157 84-14-1157 71.4 45 -45 350 Frag 9.5 12 Actual MD 578449.49 3751478.45 578428.57 3751478.46 -0.089 7/17/07 2:41 PM 1158 84-14-1158 22.6 10 0 150 Halfshell 6.9 30 Actual MD 578449.49 3751478.37 578449.58 3751478.46 -0.089	6/21/07 2:49 PM	1150	90-16-1150		3	5	0	0	Nose Frag	2	7	Actual	MD	579010.73	3751605.79	579010.76	3751605.77	-0.0233	0.017
6/25/07 11:20 AM 1153 90-16-1153 6 2 0 270 Nose Frag 2 7 Actual MD 579043.84 3751614.14 579043.80 3751614.14 0.0337 6/25/07 11:12 AM 1154 90-16-1154 11 5 0 180 Nose Frag 3 7 Actual MD 579035.59 3751630.00 579035.62 3751630.02 -0.03 6/25/07 11:55 AM 1155 90-15-1155 4 1 0 0 Nose Frag 2 7 Actual MD 579037.63 3751563.68 579037.33 3751563.33 0.3075 8/107 12:15 PM 1156 90-16-1156 133 Seeds 35 Actual Seed Item 579034.49 3751631.42 579034.15 3751631.30 0.34 7/18/07 9:09 AM 1157 84-14-1157 71.4 45 -45 350 Frag 9.5 12 Actual MD 578428.60 3751478.48 578428.57 3751478.47 0.026 7/17/07 2:41 PM 1158 84-14-1158 22.6 10 0 150 Halfshell 6.9 30 Actual MD 578449.49 3751478.37 578449.58 3751478.46 -0.089	6/25/07 11:41 AM	1151	90-16-1151		8	4	0	170	Nose Frag	3	7	Actual	MD	579039.39	3751610.75	579039.25	3751610.67	0.1365	0.082
6/25/07 11:12 AM 1154 90-16-1154 11 5 0 180 Nose Frag 3 7 Actual MD 579035.59 3751630.00 579035.62 3751630.02 -0.03 6/25/07 11:55 AM 1155 90-15-1155 4 1 0 0 Nose Frag 2 7 Actual MD 579037.63 3751563.68 579037.33 3751563.33 0.3075 8/1/07 12:15 PM 1156 90-16-1156 133 Seeds 35 Actual Seed Item 579034.49 3751631.42 579034.15 3751631.30 0.34 7/18/07 9:09 AM 1157 84-14-1157 71.4 45 -45 350 Frag 9.5 12 Actual MD 578428.60 3751478.48 578428.57 3751478.47 0.026 7/17/07 2:41 PM 1158 84-14-1158 22.6 10 0 150 Halfshell 6.9 30 Actual MD 578449.49 3751478.37 578449.58 3751478.46 -0.089	6/25/07 11:37 AM	1152	90-16-1152		23	11	0	60	Nose Frag	2	7	Actual	MD	579042.66	3751612.01	579042.56	3751612.07	0.0983	-0.059
6/25/07 11:12 AM         1154         90-16-1154         11         5         0         180         Nose Frag         3         7         Actual         MD         579035.59         3751630.00         579035.62         3751630.02         -0.03           6/25/07 11:55 AM         1155         90-15-1155         4         1         0         0         Nose Frag         2         7         Actual         MD         579037.63         3751630.02         -0.03           8/1/07 12:15 PM         1156         90-15-1156         4         1         0         0         Nose Frag         2         7         Actual         MD         579037.63         3751630.02         -0.03           8/1/07 12:15 PM         1156         90-15-1156         4         1         0         0         Nose Frag         2         7         Actual         MD         579037.63         3751630.30         0.3075           8/1/07 12:15 PM         1156         90-16-1156         133         Seeds         35         Actual         Seed Item         579034.49         3751631.30         0.34           7/18/07 2:41 PM         1157         84-14-1157         71.4         45         -45         350         Frag         9.5 <t< td=""><td>6/25/07 11:20 AM</td><td>1153</td><td>90-16-1153</td><td></td><td>6</td><td>2</td><td>0</td><td>270</td><td>Nose Frag</td><td>2</td><td>7</td><td>Actual</td><td>MD</td><td>579043.84</td><td>3751614.14</td><td>579043.80</td><td>3751614.14</td><td>0.0337</td><td>0.003</td></t<>	6/25/07 11:20 AM	1153	90-16-1153		6	2	0	270	Nose Frag	2	7	Actual	MD	579043.84	3751614.14	579043.80	3751614.14	0.0337	0.003
6/25/07 11:55 AM         1155         90-15-1155         4         1         0         0         Nose Frag         2         7         Actual         MD         579037.63         3751563.68         579037.33         3751563.33         0.3075           8/1/07 12:15 PM         1156         90-16-1156         133         Seeds         35         Actual         Seed Item         579034.49         3751631.42         579034.15         3751631.30         0.34           7/18/07 9:09 AM         1157         84-14-1157         71.4         45         -45         350         Frag         9.5         12         Actual         MD         578428.60         3751478.47         0.026           7/17/07 2:41 PM         1158         84-14-1158         22.6         10         0         150         Halfshell         6.9         30         Actual         MD         578449.49         3751478.37         578449.58         3751478.46         -0.089		1154	90-16-1154		11	5	0	180	Nose Frag	3	7	Actual	MD	579035.59		579035.62	3751630.02	-0.03	-0.023
8/1/07 12:15 PM         1156         90-16-1156         133         Seeds         35         Actual         Seed Item         579034.49         3751631.42         579034.15         3751631.30         0.34           7/18/07 9:09 AM         1157         84-14-1157         71.4         45         -45         350         Frag         9.5         12         Actual         MD         578428.60         3751478.48         578428.57         3751478.47         0.026           7/17/07 2:41 PM         1158         84-14-1158         22.6         10         0         150         Halfshell         6.9         30         Actual         MD         578449.49         3751478.37         578449.58         3751478.46         -0.089		1155	90-15-1155		4	1	0	0	Nose Frag		7	Actual	MD	579037.63	3751563.68	579037.33		0.3075	0.345
7/17/07 2:41 PM 1158 84-14-1158 22.6 10 0 150 Halfshell 6.9 30 Actual MD 578449.49 3751478.37 578449.58 3751478.46 -0.089		1156	90-16-1156		133					35		Actual	Seed Item	579034.49		579034.15		0.34	0.12
7/17/07 2:41 PM 1158 84-14-1158 22.6 10 0 150 Halfshell 6.9 30 Actual MD 578449.49 3751478.37 578449.58 3751478.46 -0.089	7/18/07 9:09 AM	1157	84-14-1157		71.4	45	-45	350	Frag	9.5	12	Actual	MD	578428.60	3751478.48	578428.57	3751478.47	0.026	0.004
		1158			22.6		0	150			30	Actual	MD	578449.49		578449.58	3751478.46	-0.089	-0.086
1/17/07 2:37 PM   1759   83-14-1759     27.3   59   0   0   Soils   2   0   Actual   Soils   578315.92   3751478.82   578315.88   3751479.04   0.04	7/11/07 2:37 PM	1159	83-14-1159		21.3	59	0	0	Soils	2	0	Actual	Soils	578315.92	3751478.82	578315.88	3751479.04	0.04	-0.214
7/16/07 10:45 AM 1160 83-14-1160 76.9 106 0 0 Soils 5.6 0 Actual Soils 578361.07 3751479.48 578361.29 3751479.63 -0.214							0	0			0								-0.151

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

													UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
TimeStamp	Alias	Anomaly ID	Mag-N Flag ID	Predicted Depth	Depth	Inclination	Azimuth	Identification	Predicted Length	Length	Actual/ Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	Δ Northing
			יוו						ŭ								ū	ū
7/17/07 2:40 PM	1161	84-14-1161		8.5	5	0	220	Frag	2.4	9	Actual	MD	578453.08	3751479.41	578453.20	3751479.50	-0.118	-0.085
7/17/07 3:17 PM	1162	84-14-1162		19.9	4	0	160	Frag	1.7	9	Actual	MD	578413.18	3751479.92	578413.00	3751479.69	0.18	0.229
7/19/07 10:48 AM	1163	84-14-1163		37.8	143	0	0	Soils	8.8	0	Actual	Soils	578473.59	3751480.25	578473.45	3751480.36	0.14	-0.116
7/17/07 2:39 PM	1164	84-14-1164		40.4	70	0	0	Soils	3	0	Actual	Soils	578457.91	3751480.89	578458.20	3751480.90	-0.284	-0.011
7/11/07 2:23 PM	1165	84-14-1165		2.2	8	0	190	Scrap Metal	1.6	14	Actual	Cultural	578322.02	3751481.38	578321.92	3751481.35	0.098	0.027
7/18/07 8:54 AM	1166	84-14-1166		9.5	7	0	350	Scrap Metal	2.4	12	Actual	Cultural	578400.96	3751481.96	578400.83	3751481.88	0.136	0.08
7/18/07 9:02 AM	1167	84-14-1167		61.9	40	0	0	Baseplate	4.6	12	Actual	MD	578418.57	3751481.99	578418.59	3751481.64	-0.018	0.35
7/18/07 9:28 AM	1168	84-14-1168		85.3	5	0	140	Frag	5	7	Actual	MD	578444.02	3751481.55	578443.77	3751481.77	0.255	-0.223
7/18/07 8:39 AM	1169	83-14-1169		35.3	25	0	170	Baseplate	4.4	12	Actual	MD	578372.30	3751482.38	578372.33	3751482.18	-0.027	0.2
6/27/07 10:04 AM	1170	83-14-1170			7	-90	340	Frag		11	Actual	MD	578377.50	3751482.50	578377.58	3751482.61	-0.082	-0.114
7/18/07 8:50 AM	1171	83-14-1171		40.1	10	20	180	Seeds	10.1	45	Actual	Seed Item	578395.50	3751482.98	578395.45	3751482.74	0.049	0.24
6/25/07 4:05 PM	1172	88-16-1172		21	2	0	0	Nose Frag	3	7	Actual	MD	578811.49	3751693.81	578811.28	3751693.81	0.207	-0.003
6/25/07 3:56 PM	1173	84-15-1173		53	40	0	210	Baseplate	5	13	Actual	MD	578824.69	3751653.41	578824.36	3751653.46	0.332	-0.052
6/25/07 1:58 PM	1174	90-15-1174		48	78	0	0	Soils	2	0	Actual	Soils	579030.69	3751544.21	579030.80	3751543.98	-0.107	0.227
6/25/07 1:53 PM	1175	90-15-1175		40	70	0	0	Soils	2	0	Actual	Soils	579018.69	3751561.01	579018.90	3751560.86	-0.212	0.149
6/25/07 3:29 PM	1176	84-15-1176		-286	30	0	0	No Contact	52	0	Actual	No Contacts	579042.69	3751519.21	579042.68	3751519.28	0.008	-0.066
6/25/07 2:18 PM	1177	90-15-1177		113	143	0	0	Soils	33	0	Actual	Soils	579057.29	3751534.01	579057.16	3751534.63	0.135	-0.621
6/25/07 11:15 AM	1178	90-16-1178		16	10	0	0	Rock	2	2	Actual	Rock	579029.69	3751624.81	579029.70	3751624.65	-0.006	0.161
7/26/07 10:53 AM	1179	82-13-1179		4430	30	-90	0	Soils	86.5	45	Actual	Soils	578279.69	3751350.41	578279.74	3751350.10	-0.048	0.307
7/26/07 10:25 AM	1180	82-13-1180		69.5	99	0	0	Soils	3.5	0	Actual	Soils	578259.89	3751388.61	578259.91	3751388.76	-0.02	-0.15
7/24/07 12:28 PM	1181	82-13-1181		316	4	0	0	Rock	38.7	3	Actual	Rock	578252.09	3751388.21	578251.91	3751388.08	0.184	0.133
7/25/07 8:53 AM	1182	82-14-1182		21	15	0	270	Halfshell	7.3	30	Actual	MD	578271.29	3751468.41	578271.22	3751468.29	0.067	0.121
7/25/07 8:49 AM	1183	82-14-1183		34.8	2	0	350	Frag	3.7	14	Actual	MD	578294.49	3751474.21	578294.46	3751474.19	0.028	0.019
7/24/07 12:33 PM	1184	82-14-1184		87.1	3	0	0	Rock	7.8	2	Actual	Rock	578256.89	3751401.41	578257.03	3751401.28	-0.139	0.133
7/24/07 12:31 PM	1185	82-14-1185		124.2	6	0	0	Rock	7.4	2	Actual	Rock	578253.69	3751405.61	578253.48	3751405.76	0.213	-0.154
7/11/07 11:45 AM	1186	89-17-1186		22	7	0	0	Rock	3	3	Actual	Rock	578316.89	3751392.41	578316.66	3751392.33	0.232	0.08
7/10/07 11:13 AM	1187	83-13-1187		6854	5	0	0	Rock	81	2	Actual	Rock	578317.89	3751383.41	578317.68	3751383.73	0.212	-0.324
7/10/07 11:19 AM	1188	83-13-1188		31.8	2	0	0	Rock	1.7	2	Actual	Rock	578344.09	3751360.61	578344.03	3751360.12	0.063	0.492
7/10/07 11:22 AM	1189	83-13-1189		71.2	1	0	0	Rock	4	3	Actual	Rock	578357.89	3751366.21	578358.42	3751366.01	-0.533	0.199
7/12/07 12:00 PM	1190	83-13-1190		36	60	0	0	Soils	2.9	0	Actual	Soils	578365.69	3751371.01	578365.37	3751371.04	0.322	-0.029
7/16/07 2:22 PM	1191	89-17-1191		117	147	0	0	Soils	7.7	0	Actual	Soils	578383.89	3751398.61	578383.79	3751397.89	0.103	0.717
7/10/07 3:14 PM	1192	83-13-1192		100	10	0	0	Rock	5.8	3	Actual	Rock	578398.49	3751365.61	578398.49	3751365.61	0.003	-0.004
7/10/07 3:05 PM	1193	83-13-1193		-1590000	35	0	0	Rock	5233	3	Actual	Rock	578394.29	3751356.01	578394.33	3751356.02	-0.035	-0.012
7/16/07 2:53 PM	1194	83-13-1194		-4170	71	0	0	Soils	94.4	0	Actual	Soils	578376.89	3751380.61	578377.38	3751380.52	-0.494	0.094
7/10/07 10:09 AM	1195	83-13-1195		55.3	3	0	0	Rock	18.1	2	Actual	Rock	578380.49	3751361.01	578380.06	3751361.27	0.429	-0.255
7/10/07 10:18 AM	1196	83-13-1196		-56811	4	0	0	Rock	67.9	3	Actual	Rock	578374.89	3751353.41	578374.72	3751353.12	0.174	0.293
7/10/07 2:49 PM	1197	83-13-1197		71.3	2	0	0	Rock	4.7	2	Actual	Rock	578355.29	3751357.01	578355.40	3751357.15	-0.105	-0.138
7/10/07 11:16 AM	1198	83-13-1198		53.3	3	0	0	Rock	2.9	2	Actual	Rock	578332.69	3751359.21	578332.73	3751359.25	-0.035	-0.042
7/10/07 11:15 AM	1199	83-13-1199		99	4	0	0	Rock	26	3	Actual	Rock	578330.29	3751362.21	578330.26	3751362.29	0.033	-0.079
7/10/07 11:13 AM	1200	83-13-1200		114.3	5	0	0	Rock	13.4	2	Actual	Rock	578322.89	3751361.61	578322.98	3751361.63	-0.085	-0.018
7/10/07 11:27 AM	1200	83-13-1201	1	55	2	0	0	Rock	3.3	2	Actual	Rock	578311.09	3751357.81	578311.16	3751361.03	-0.003	0.081
7/10/07 11:27 AM	1201	83-13-1201		97.4	4	0	0	Rock	6.3	3	Actual	Rock	578304.69	3751357.61	578304.62	3751357.73	0.074	0.037
7/16/07 10:16 AM	1202	83-14-1203		78.8	108	0	0	Soils	6.5	0	Actual	Soils	578349.29	3751452.21	578348.54	3751350.37	0.751	-0.557
7/11/07 2:25 PM	1203	83-14-1204	<b>-</b>	31	7	0	260	Scrap Metal	3.5	14	Actual	Cultural	578333.89	3751432.21	578333.61	3751432.77	0.731	0.098
7/11/07 2:26 PM	1204	83-14-1205		36	5	0	340	Scrap Metal	8.9	60	Actual	Cultural	578338.69	3751485.81	578338.76	3751485.11	-0.073	-0.33
1/11/01 2.20 PIVI	1200	00-14-1200		30	Ü	ı u	340	ociap ivietal	0.9	00	Actual	Cultural	510330.09	3731403.01	510550.76	3731400.14	-0.073	-0.33

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

										-			UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
Time Or annual	Alla	A	Mag-N- Flag	Predicted	B	ha dia atau	Antonial	Market and an	Predicted		Actual/	Dia Tana						
TimeStamp		Anomaly ID	ID	Depth	Depth	Inclination	Azimuth	Identification	Length	Length	Approx	Dig Type	Easting	Northing	Easting	Northing	ŭ	Δ Northing
7/17/07 12:03 PM	1206	83-14-1206		53	83	0	0	Soils	3.4	0	Actual	Soils	578384.49	3751459.61	578384.50	3751459.57	-0.01	0.038
7/17/07 11:15 AM	1207	83-14-1207		27	57	0	0	Soils	2.1	0	Actual	Soils	578396.29	3751432.21	578396.19	3751432.39	0.098	-0.18
7/24/07 11:40 AM	1208	83-14-1208		22	52	0	0	Soils	2.1	0	Actual	Soils	578376.29	3751421.21	578376.50	3751420.71	-0.211	0.496
7/16/07 11:05 AM	1209	83-14-1209		78.3	108	0	0	Soils	4	0	Actual	Soils	578372.09	3751451.01	578371.75	3751451.24	0.343	-0.23
7/16/07 9:54 AM	1210	83-14-1210		136	1	0	60	Nail	7.8	15	Actual	Cultural	578350.09	3751432.61	578350.33	3751432.63	-0.235	-0.02
7/17/07 8:56 AM	1211	84-13-1211		105	3	0	0	Rock	25.5	3	Actual	Rock	578411.89	3751374.61	578411.88	3751374.70	0.008	-0.086
7/10/07 3:12 PM	1212	84-13-1212		39	8	0	0	Rock	1.9	3	Actual	Rock	578403.69	3751364.21	578403.66	3751364.40	0.035	-0.194
7/10/07 9:39 AM	1213	84-13-1213		7.4	7	300	-60	Scrap Metal	3.2	12	Actual	Cultural	578407.89	3751358.21	578407.87	3751358.44	0.023	-0.232
7/23/07 10:16 AM	1214	84-13-1214		29	5	0	0	Rock	2.9	1	Actual	Rock	578474.29	3751381.61	578474.39	3751381.92	-0.102	-0.311
7/23/07 10:56 AM	1215	84-13-1215		50	35	0	0	Soils	3.2	0	Actual	Soils	578491.09	3751380.81	578490.78	3751380.88	0.308	-0.074
7/23/07 10:13 AM	1216	84-13-1216		113	4	0	110	Scrap Metal	6.1	7	Actual	Cultural	578496.49	3751386.61	578496.43	3751386.87	0.058	-0.259
7/19/07 8:58 AM	1217	84-14-1217		36.7	2	0	0	Rock	1.7	2	Actual	Rock	578482.89	3751400.21	578482.72	3751400.03	0.174	0.18
7/24/07 9:15 AM	1218	84-13-1218		54	84	0	0	Soils	12.8	0	Actual	Soils	578453.49	3751399.21	578453.34	3751399.05	0.148	0.159
7/19/07 9:35 AM	1219	84-13-1219		22	6	-90	90	Scrap Metal	2.6	6	Actual	Cultural	578441.69	3751387.61	578441.61	3751387.20	0.082	0.41
7/19/07 9:36 AM	1220	84-13-1220		47.1	0	0	0	Rock	5.1	2	Actual	Rock	578439.69	3751387.41	578439.27	3751387.35	0.422	0.063
7/12/07 11:34 AM	1221	84-13-1221		68.8	60	0	0	Rock	9.1	4	Actual	Rock	578402.09	3751381.41	578401.52	3751381.11	0.569	0.301
7/17/07 8:58 AM	1222	84-13-1222		25	5	0	0	Rock	3.4	2	Actual	Rock	578411.29	3751383.41	578411.23	3751383.40	0.059	0.014
7/17/07 10:15 AM	1223	84-13-1223		52.3	4	0	0	Rock	2.4	2	Actual	Rock	578414.29	3751384.41	578414.37	3751384.27	-0.082	0.137
7/17/07 10:15 AM	1224	84-13-1224		56	0	0	0	Rock	4.1	2	Actual	Rock	578417.09	3751385.21	578416.94	3751385.14	0.146	0.071
7/19/07 10:31 AM	1225	84-14-1225		126.8	146	0	0	Soils	6	0	Actual	Soils	578493.09	3751487.21	578492.98	3751487.32	0.113	-0.106
7/18/07 3:23 PM	1226	84-14-1226		53.1	83	0	0	Soils	2.7	0	Actual	Soils	578469.49	3751483.81	578469.57	3751483.82	-0.08	-0.014
7/24/07 10:50 AM	1227	84-14-1227		55.6	85	0	0	Soils	3	0	Actual	Soils	578463.89	3751494.21	578464.14	3751494.39	-0.253	-0.175
7/24/07 10:59 AM	1228	84-14-1228		129.7	159	0	0	Soils	6.3	0	Actual	Soils	578459.09	3751494.01	578459.37	3751494.15	-0.276	-0.139
7/18/07 9:26 AM	1229	84-14-1229		50.5	7	-90	120	Scrap Metal	2.3	9	Actual	MD	578437.29	3751485.61	578437.44	3751486.02	-0.153	-0.413
7/18/07 2:24 PM	1230	84-14-1230		162	192	0	0	Soils	12.2	0	Actual	Soils	578441.49	3751443.41	578441.45	3751443.49	0.043	-0.078
7/18/07 3:10 PM	1231	84-14-1231		26	56	0	0	Soils	5.2	0	Actual	Soils	578461.09	3751445.41	578461.09	3751445.51	-0.001	-0.102
7/17/07 11:38 AM	1232	84-14-1232		115	145	0	0	Soils	6.6	0	Actual	Soils	578413.69	3751439.61	578413.94	3751439.53	-0.245	0.082
7/24/07 10:35 AM	1233	84-14-1233		55	74	0	0	Soils	4.2	0	Actual	Soils	578422.69	3751405.01	578422.51	3751405.30	0.179	-0.29
7/23/07 12:05 PM	1234	84-14-1234		44.2	74	0	0	Soils	2.2	0	Actual	Soils	578484.89	3751406.21	578484.37	3751405.73	0.521	0.485
7/19/07 9:16 AM	1235	84-14-1235		39.6	10	0	0	Rock	12	1	Actual	Rock	578473.09	3751428.01	578473.19	3751403.75	-0.104	0.153
7/23/07 12:01 PM	1236	84-14-1236		26	56	0	0	Soils	2.6	0	Actual	Soils	578499.29	3751426.01	578498.61	3751427.00	0.682	-0.289
7/19/07 10:58 AM	1237	84-14-1237		79	109	0	0	Soils	5.5	0	Actual	Soils	578481.49	3751413.01	578481.39	3751410.10	0.105	0.266
7/19/07 8:30 AM	1238	84-14-1238		101	3	0	0	Rock	6	2	Actual	Rock	578478.49	3751461.41	578478.29	3751461.14	0.103	-0.125
7/19/07 10:56 AM	1239	84-14-1239		16	46	0	0	Soils	1.6	0	Actual	Soils	578476.49	3751466.01	578476.59	3751466.18	-0.101	-0.123
7/19/07 10:50 AM	1240	84-14-1240		69.9	99	0	0	Soils	3.4	0	Actual	Soils	578470.49	3751400.01	578470.39	3751400.16	0.083	-0.173
7/19/07 10:32 AM	1240	84-14-1241		41		0	0	Soils		0		Soils					0.063	
7/19/07 11:10 AM 7/19/07 11:07 AM	1241			102.1	71 132	0	0	Soils	5.3	0	Actual	Soils	578497.49 578491.49	3751469.21 3751474.21	578497.35 578491.55	3751469.47 3751473.93	-0.061	-0.258 0.281
		84-14-1242								0	Actual							
7/19/07 11:04 AM	1243	84-14-1243		53.2	83	0	0	Soils	3		Actual	Soils	578489.49	3751474.01	578489.53	3751474.01	-0.044	0
7/19/07 10:41 AM	1244	84-14-1244		58.8	115	0	0	Soils	4.1	0	Actual	Soils	578488.09	3751480.41	578488.23	3751480.53	-0.143	-0.118
7/25/07 8:05 AM	1245	84-15-1245		56	1	0	0	Rock	3.8	1	Actual	Rock	578491.89	3751501.01	578492.36	3751500.68	-0.468	0.33
7/25/07 8:27 AM	1246	84-15-1246		28	0	-90	0	Corner Stake	4.3	20	Actual	Cultural	578472.09	3751508.61	578472.14	3751508.60	-0.046	0.014
7/18/07 9:21 AM	1247	84-14-1247		30.2	32	-45	260	Baseplate	3.2	12	Actual	MD	578438.59	3751483.02	578438.60	3751482.99	-0.015	0.028
7/18/07 8:44 AM	1248	83-14-1248		15	5	-90	0	Baseplate	4.1	12	Actual	MD	578381.78	3751483.97	578381.88	3751483.83	-0.095	0.138
7/18/07 9:01 AM	1249	84-14-1249		2.4	7	0	140	Frag	1.4	12	Actual	MD	578406.65	3751483.77	578406.61	3751483.67	0.047	0.105
7/18/07 3:00 PM	1250	84-14-1250		56.6	86	0	0	Soils	2.2	0	Actual	Soils	578455.80	3751483.87	578455.94	3751483.76	-0.146	0.11

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

										•			UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
			Mag-N Flag	Predicted					Predicted		Actual/							
TimeStamp		Anomaly ID	ID	Depth	Depth	Inclination	Azimuth	Identification	Length	Length	Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	△ Northing
7/18/07 8:42 AM	1251	83-14-1251		12.2	2	0	20	Halfshell	6.6	30	Actual	MD	578379.45	3751484.30	578379.42	3751484.18	0.029	0.119
7/18/07 2:47 PM	1252	84-14-1252		23	53	0	0	Soils	3.1	0	Actual	Soils	578420.38	3751484.41	578420.38	3751484.55	0.004	-0.141
7/19/07 8:20 AM	1253	84-14-1253		-1.4	12	0	0	Nose Frag	1.3	7	Actual	MD	578477.63	3751484.59	578477.57	3751484.60	0.059	-0.011
7/18/07 8:45 AM	1254	83-14-1254		12.9	28	45	80	Baseplate	2.7	12	Actual	MD	578384.11	3751485.00	578384.10	3751484.94	0.002	0.058
7/19/07 10:38 AM	1255	84-14-1255		21.5	51	0	0	Soils	1.9	0	Actual	Soils	578483.62	3751484.78	578483.55	3751485.12	0.07	-0.338
6/27/07 1:08 PM	1256	83-14-1256		36.2	75	0	0	Soils	2.4	0	Actual	Soils	578370.55	3751485.95	578370.65	3751486.18	-0.101	-0.226
7/18/07 2:51 PM	1257	84-14-1257		84.7	114	0	0	Soils	3.1	0	Actual	Soils	578426.58	3751486.44	578426.63	3751486.64	-0.044	-0.199
7/17/07 3:16 PM	1258	84-14-1258		66.3	60	-80	270	Seeds	9.2	45	Actual	Seed Item	578429.02	3751486.65	578429.23	3751486.67	-0.215	-0.021
7/19/07 10:35 AM	1259	84-14-1259		3.6	66	0	0	Soils	1.2	0	Actual	Soils	578489.54	3751486.83	578489.62	3751487.03	-0.079	-0.2
7/16/07 8:49 AM	1260	83-14-1260		20.4	10	-45	90	Baseplate	3.9	12	Actual	MD	578357.34	3751486.92	578357.23	3751487.00	0.108	-0.079
7/18/07 8:51 AM	1261	83-14-1261		76.6	15	-45	100	Nose Frag	3.8	7	Actual	MD	578396.91	3751487.54	578396.52	3751487.13	0.386	0.414
7/18/07 2:54 PM	1262	84-14-1262		Inf	30	0	0	Soils	Inf	0	Actual	Soils	578431.50	3751487.50	578431.61	3751487.54	-0.106	-0.038
7/18/07 9:27 AM	1263	84-14-1263		19.7	10	-30	190	Halfshell	6.8	30	Actual	MD	578440.43	3751487.26	578440.44	3751487.11	-0.016	0.155
7/19/07 10:45 AM	1264	84-14-1264		40.7	30	45	200	Seeds	8.8	45	Actual	Seed Item	578472.87	3751487.44	578472.92	3751487.41	-0.058	0.029
6/27/07 10:09 AM	1265	83-14-1265		18.3	12	-90	10	Scrap Metal	3.1	10	Actual	Cultural	578381.07	3751488.40	578381.05	3751488.11	0.019	0.293
7/19/07 10:28 AM	1266	84-14-1266		27.6	57	0	0	Soils	2.4	0	Actual	Soils	578494.43	3751488.69	578494.01	3751488.79	0.417	-0.096
7/16/07 8:47 AM	1267	83-14-1267		12.1	0	-90	0	Scrap Metal	2.5	15	Actual	Cultural	578349.90	3751488.96	578350.03	3751489.03	-0.134	-0.071
6/27/07 10:12 AM	1268	83-14-1268		-1.5	20	0	40	Scrap Metal	1.3	14	Actual	Cultural	578385.42	3751489.05	578385.43	3751489.00	-0.008	0.052
6/27/07 1:14 PM	1269	83-14-1269		33.1	48	0	0	Soils	4.2	0	Actual	Soils	578390.66	3751489.22	578390.99	3751489.02	-0.332	0.205
7/24/07 8:31 AM	1270	84-14-1270		127.3	4	0	90	Scrap Metal	16.9	6	Actual	Cultural	578437.11	3751489.70	578437.59	3751489.97	-0.485	-0.269
7/18/07 9:29 AM	1271	84-14-1271		3.8	5	0	90	Scrap Metal	1.9	12	Actual	Cultural	578447.45	3751488.61	578447.11	3751488.50	0.337	0.115
7/24/07 9:00 AM	1272	83-14-1272		25.9	6	0	280	Halfshell	7.1	30	Actual	MD	578362.61	3751490.04	578362.64	3751489.92	-0.031	0.12
7/24/07 8:57 AM	1273	83-14-1273		19.7	5	0	100	Halfshell	7.2	30	Actual	MD	578399.82	3751490.15	578399.76	3751490.24	0.055	-0.092
7/25/07 8:26 AM	1274	84-14-1274		7.8	0	-90	0	Corner Stake	7.5	20	Actual	Cultural	578487.11	3751490.56	578487.04	3751490.73	0.067	-0.171
7/24/07 11:19 AM	1275	84-14-1275		79.3	60	-45	350	Seeds	10.1	45	Actual	Seed Item	578409.27	3751490.83	578409.46	3751490.54	-0.193	0.288
7/23/07 3:57 PM	1276	84-14-1276		28.6	3	0	270	Scrap Metal	2.9	8	Actual	Cultural	578463.31	3751490.29	578463.38	3751490.35	-0.067	-0.051
7/18/07 2:56 PM	1277	84-14-1277		257.8	100	0	0	Soils	15.4	0	Actual	Soils	578437.42	3751481.07	578437.44	3751481.09	-0.022	-0.018
7/24/07 8:30 AM	1278	84-14-1278		25.1	4	0	190	Scrap Metal	2.4	7	Actual	Cultural	578446.38	3751491.40	578445.98	3751491.46	0.397	-0.063
6/27/07 10:11 AM	1279	83-14-1279		4.3	8	0	330	Frag	1.2	15	Actual	MD	578382.41	3751491.54	578382.52	3751491.63	-0.113	-0.087
7/24/07 11:09 AM	1280	84-14-1280		79.2	40	-90	0	Scrap Metal	14.3	40	Actual	Cultural	578440.37	3751490.79	578440.72	3751491.43	-0.349	-0.638
6/27/07 1:15 PM	1281	83-14-1281		316	40	-90	20	Halfshell	38.7	30	Actual	MD	578391.62	3751492.45	578391.67	3751492.60	-0.052	-0.157
7/24/07 8:54 AM	1282	83-14-1282		79	2	0	0	Rock	4.3	2	Actual	Rock	578394.80	3751492.67	578394.52	3751492.57	0.283	0.102
7/24/07 8:55 AM	1283	83-14-1283		30	7	0	140	Frag	2.9	14	Actual	MD	578389.90	3751493.76	578390.14	3751493.81	-0.247	-0.05
7/24/07 8:44 AM	1284	84-14-1284		51.2	4	0	0	Rock	4	2	Actual	Rock	578439.46	3751493.26	578439.18	3751493.42	0.281	-0.167
7/24/07 11:05 AM	1285	84-14-1285		14.4	49	0	0	Soils	2.1	0	Actual	Soils	578451.13	3751493.95	578450.96	3751493.92	0.174	0.039
7/23/07 4:15 PM	1286	84-14-1286		12.1	2	0	140	Scrap Metal	3.1	12	Actual	Cultural	578444.99	3751494.45	578445.06	3751494.38	-0.072	0.073
7/25/07 8:22 AM	1287	84-14-1287	<b>-</b>	27.4	20	0	0	Rock	2.9	2	Actual	Rock	578488.98	3751494.43	578489.20	3751494.36	-0.22	-0.046
7/24/07 11:33 AM	1288	83-14-1288	<b> </b>	13.6	43	0	0	Soils	1.8	0	Actual	Soils	578371.46	3751494.32	578371.10	3751494.96	0.353	0.364
7/23/07 3:59 PM	1289	84-14-1289	<b> </b>	35.7	20	0	310	Scrap Metal	3.7	15	Actual	Cultural	578457.93	3751495.87	578457.97	3751494.90	-0.039	0.048
7/26/07 11:51 AM	1290	84-14-1299	<del>                                     </del>	81.3	111	0	0	Soils	4.9	0	Actual	Soils	578487.52	3751495.87	578487.52	3751495.62	-0.039	0.048
7/24/07 11:30 AM	1290	83-14-1291	1	60.9	40	90	0	Seeds	9.6	45	Actual	Seed Item	578395.43	3751495.76	578395.65	3751495.60	-0.003	-0.015
7/24/07 11:30 AM	1291	84-14-1291	1	15.7	0	-45	300	Baseplate	3.8	12	Actual	MD	578428.53	3751496.95	578428.56	3751496.97	-0.217	-0.015
	1292		-		_		90			30		MD	578428.53					
7/24/07 8:47 AM	1293	84-14-1293	-	12.8 5.9	10 5	30 0	0	Halfshell Soran Motal	6.3 1.4	6	Actual	Cultural	578431.09	3751498.28 3751497.79	578431.08 578434.86	3751498.28 3751497.99	0.01 -0.13	-0.006 -0.199
7/24/07 8:46 AM	1294	84-14-1294 84-14-1295		27.7	3	0	300	Scrap Metal Frag	2.3	8	Actual Actual	MD	578450.42	3751497.79	578450.06	3751497.99 3751498.41	0.356	-0.199
7/23/07 4:12 PM	1295	04-14-1295		21.1	3	U	300	riag	2.3	0	Actual	טועו	370430.42	3/3/490.30	37 0430.06	3/3/490.41	0.350	-0.119

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

													UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
TimeStamp	Alias	Anomaly ID	Mag-N Flag ID	Predicted Depth	Depth	Inclination	Azimuth	Identification	Predicted Length	Length	Actual/ Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	Δ Northing
7/26/07 12:03 PM	1295	84-14-1295		27.7	57	0	0	Soils	2.3	0	Actual	Soils	578450.42	3751498.30	578450.07	3751497.82	0.35	0.471
7/25/07 8:25 AM	1296	84-14-1296		21.1	15	0	0	Nose Frag	2.4	7	Actual	MD	578480.16	3751498.36	578480.03	3751498.56	0.135	-0.205
7/24/07 10:58 AM	1297	84-14-1297		36.5	70	0	0	Soils	2.7	0	Actual	Soils	578456.51	3751498.62	578456.27	3751499.33	0.241	-0.707
7/24/07 8:50 AM	1298	84-14-1298		4	5	0	350	Scrap Metal	1.5	8	Actual	Cultural	578402.51	3751499.53	578402.52	3751499.57	-0.007	-0.046
7/24/07 11:23 AM	1299	84-14-1299		-3.1	33	0	0	Soils	1.1	0	Actual	Soils	578408.28	3751499.67	578408.16	3751500.03	0.121	-0.353
7/25/07 8:01 AM	1300	84-14-1300		50.2	10	0	0	Frag	3.5	7	Actual	MD	578493.44	3751499.70	578493.24	3751499.99	0.2	-0.29
7/25/07 8:21 AM	1301	84-15-1301		34.8	10	0	280	Scrap Metal	2.7	11	Actual	Cultural	578487.27	3751500.60	578487.26	3751500.69	0.003	-0.092
7/24/07 10:54 AM	1302	84-15-1302		75.7	40	45	270	Seeds	9.5	45	Approximate	Seed Item	578464.64	3751501.37	578464.75	3751501.47	-0.112	-0.1
7/26/07 11:49 AM	1303	84-15-1303		67.8	97	0	0	Soils	3.6	0	Actual	Soils	578495.16	3751502.11	578495.43	3751502.01	-0.272	0.1
7/25/07 8:39 AM	1304	84-15-1304		16.9	25	-90	270	Frag	2.2	18	Actual	MD	578428.43	3751502.70	578428.53	3751502.63	-0.101	0.064
7/25/07 7:54 AM	1305	84-15-1305		38.9	45	-90	0	Baseplate	4.1	12	Actual	MD	578498.75	3751502.70	578498.86	3751502.30	-0.117	0.394
7/24/07 8:51 AM	1306	84-15-1306		30.1	0	-90	0	Survey Point	3.1	20	Actual	Cultural	578400.01	3751502.92	578399.87	3751502.94	0.144	-0.018
7/24/07 11:26 AM	1307	84-15-1307		21.9	51	0	0	Soils	1.9	0	Actual	Soils	578411.15	3751503.20	578410.92	3751503.25	0.227	-0.05
7/23/07 4:03 PM	1308	84-15-1308		-1.7	5	0	60	Scrap Metal	1.2	9	Actual	Cultural	578456.78	3751503.09	578456.74	3751502.86	0.046	0.236
7/25/07 8:06 AM	1309	84-15-1309		-11.8	7	0	90	Scrap Metal	1	8	Actual	Cultural	578491.93	3751503.12	578491.89	3751503.20	0.04	-0.084
7/23/07 4:11 PM	1310	84-15-1310		12.6	3	0	250	Scrap Metal	3.4	16	Actual	Cultural	578438.88	3751503.26	578438.90	3751503.25	-0.023	0.015
7/25/07 8:38 AM	1311	84-15-1311		13.8	2	0	140	Scrap Metal	1.8	5	Actual	Cultural	578430.94	3751504.49	578431.14	3751504.23	-0.194	0.266
7/25/07 8:38 AM	1312	84-15-1312		18.7	8	0	0	Nose Frag	1.3	7	Actual	MD	578436.06	3751504.95	578436.14	3751505.00	-0.079	-0.048
7/23/07 4:03 PM	1313	84-15-1313		11.9	3	0	110	Scrap Metal	4.2	15	Actual	Cultural	578455.74	3751505.16	578455.81	3751505.22	-0.069	-0.062
7/25/07 8:07 AM	1314	84-15-1314		16.2	5	-45	200	Baseplate	4	12	Actual	MD	578491.10	3751505.34	578491.03	3751505.25	0.078	0.084
7/23/07 4:09 PM	1315	84-15-1315		2.9	0	-45	110	Baseplate	3.3	12	Actual	MD	578441.57	3751505.73	578441.54	3751505.69	0.037	0.031
7/23/07 4:06 PM	1316	84-15-1316		6.7	7	0	80	Scrap Metal	2.5	14	Actual	Cultural	578445.66	3751505.44	578445.66	3751505.44	0.007	0.008
7/25/07 8:19 AM	1317	84-15-1317		1.5	4	0	310	Scrap Metal	1.8	15	Actual	Cultural	578482.00	3751506.10	578482.13	3751506.25	-0.131	-0.146
7/25/07 7:59 AM	1318	84-15-1318		11.3	15	0	0	Nose Frag	2	7	Actual	MD	578499.34	3751505.71	578499.47	3751505.60	-0.134	0.11
7/23/07 4:05 PM	1319	84-15-1319		-1.9	4	0	260	Frag	1.1	12	Actual	MD	578445.07	3751507.83	578445.16	3751507.87	-0.087	-0.038
7/26/07 11:53 AM	1320	84-15-1320		-12.1	42	0	0	Soils	0.9	0	Actual	Soils	578486.48	3751507.67	578486.13	3751507.86	0.353	-0.196
7/25/07 8:41 AM	1321	84-15-1321		36	5	0	0	Rock	2.4	4	Actual	Rock	578428.64	3751508.35	578428.61	3751508.15	0.025	0.204
7/25/07 8:08 AM	1322	84-15-1322		54.5	10	0	160	Halfshell	3.7	10	Actual	MD	578497.59	3751508.83	578498.06	3751509.02	-0.469	-0.19
7/23/07 4:04 PM	1323	84-15-1323		20.6	3	0	0	Nose Frag	2.7	7	Actual	MD	578449.85	3751509.73	578450.18	3751509.72	-0.328	0.007
7/25/07 8:33 AM	1324	84-15-1324		32.4	0	-90	0	Nail	2.9	20	Actual	Cultural	578476.01	3751510.23	578475.63	3751509.98	0.379	0.248
7/25/07 8:30 AM	1325	84-15-1325		121.3	10	0	0	Rock	5.8	1	Actual	Rock	578473.21	3751511.05	578473.11	3751511.07	0.096	-0.017
7/25/07 8:18 AM	1326	84-15-1326		2.1	20	-90	100	Scrap Metal	1.9	15	Actual	Cultural	578489.69	3751513.14	578489.55	3751513.08	0.145	0.057
7/25/07 8:31 AM	1327	84-15-1327		21.6	8	-90	0	Scrap Metal	3.2	10	Actual	Cultural	578468.61	3751513.48	578468.28	3751513.23	0.327	0.252
7/26/07 11:55 AM	1328	84-15-1328		29.3	59	0	0	Soils	2.1	0	Actual	Soils	578477.95	3751515.48	578478.14	3751515.79	-0.185	-0.306
7/26/07 11:54 AM	1329	84-15-1329		111.4	141	0	0	Soils	5.9	0	Actual	Soils	578480.35	3751515.61	578480.26	3751515.89	0.089	-0.286
7/26/07 11:53 AM	1330	84-15-1330		50	35	0	0	Soils	3	0	Actual	Soils	578484.72	3751516.01	578484.41	3751515.80	0.313	0.208
7/25/07 8:11 AM	1331	85-15-1331		21.6	0	-90	0	Corner Stake	3.2	20	Actual	Cultural	578500.25	3751515.91	578500.24	3751515.95	0.009	-0.034
7/25/07 8:13 AM	1332	84-15-1332		8.9	42	0	0	Nose Frag	1.4	7	Actual	MD	578492.44	3751517.71	578492.60	3751517.27	-0.157	0.436
7/25/07 8:15 AM	1333	84-15-1333		9.3	6	0	60	Scrap Metal	1.9	12	Actual	Cultural	578490.66	3751520.00	578490.68	3751519.75	-0.019	0.258
7/25/07 8:16 AM	1334	84-15-1334		14.3	0	-90	0	Corner Stake	2.3	20	Actual	Cultural	578480.95	3751526.12	578480.95	3751525.97	-0.002	0.151
7/16/07 8:30 AM	1335	83-14-1335		31	30	-90	0	Baseplate	4.1	12	Actual	MD	578340.77	3751445.52	578340.80	3751445.65	-0.03	-0.134
7/16/07 9:02 AM	1336	83-14-1336		35.9	15	0	0	Seeds	10	45	Actual	Seed Item	578357.16	3751448.20	578357.20	3751448.35	-0.039	-0.157
7/16/07 8:57 AM	1337	83-14-1337		45.2	30	-90	0	Baseplate	5.3	12	Actual	MD	578354.81	3751455.97	578354.67	3751455.84	0.139	0.135
7/25/07 8:54 AM	1338	82-14-1338		14.3	1	0	140	Frag	3.4	16	Actual	MD	578270.80	3751457.93	578270.70	3751458.04	0.097	-0.109
7/17/07 2:45 PM	1339	84-14-1339		-2.8	5	0	140	Nose Frag	1.4	7	Actual	MD	578453.25	3751463.79	578453.13	3751463.64	0.119	0.153
77 17/01 2.70 T W	1000	0 7 1 <del>7</del> 1000	L	2.0		U	טדו	11030 1 149	1.7	<u> </u>	Actual	טועו	070400.20	0.01700.73	070400.10	0.01700.04	0.110	0.100

Table 8.1 Single Point Anomaly ResutIs ESTCP Site 18 - Camp Sibert

										-			UTM 16 N	orth Meters	UTM 16 N	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
TimeStamp	Alian	Amamak. ID	Mag-N Flag ID	Predicted	Donath	Inclination	Aminocusto	Identification	Predicted	Lawath	Actual/	Dia Tana	Factions	Newthie	F	N. add to a	A Faction	A Novel in
	Alias	Anomaly ID	טו	Depth	Depth		Azimuth		Length	Length	Approx	Dig Type	Easting	Northing	Easting	Northing	Δ Easting	Δ Northing
7/17/07 2:43 PM	1340	84-14-1340		45.9	15	-90	0	Baseplate	4.7	12	Actual	MD	578453.88	3751465.38	578454.11	3751465.54	-0.232	-0.162
7/19/07 8:25 AM	1341	84-14-1341		23.9	6	0	0	Nose Frag	2.5	7	Actual	MD	578479.31	3751474.62	578479.33	3751474.75	-0.023	-0.13
7/19/07 8:23 AM	1342	84-14-1342		14.9	1	-45	130	Baseplate	4.1	12	Actual	MD	578478.65	3751476.41	578478.63	3751476.50	0.023	-0.088
7/18/07 9:31 AM	1343	84-14-1343		25.4	4	-45	180	Baseplate	4.6	12	Actual	MD	578451.53	3751485.87	578451.35	3751485.81	0.184	0.063
8/1/07 12:50 PM	1385	88-17-1385		28.6	50	-45	270	Halfshell	Inf	25	Actual	MD	578896.28	3751737.91	578896.25	3751737.88	0.03	0.03
7/26/07 1:51 PM	1386	89-17-1386		11.9	10	0	60	Scrap Metal		9	Actual	Cultural	578951.46	3751756.04	578951.42	3751755.95	0.0436	0.088
7/26/07 1:35 PM	1387	89-17-1387		5.5	3	0	0	Frag		4	Actual	MD	578989.78	3751768.74	578989.69	3751768.59	0.0886	0.147
8/1/07 12:42 PM	1388	88-17-1388		3.1	0	0	0	Rock	Inf	2	Actual	Rock	578823.09	3751713.43	578822.89	3751713.44	0.20	-0.01
8/1/07 12:43 PM	1389	88-17-1389		6.5	15	0	0	Scrap Metal	Inf	9	Actual	Cultural	578844.71	3751720.60	578844.54	3751720.63	0.17	-0.03
8/1/07 12:45 PM	1390	88-17-1390		0	4	0	330	Frag	Inf	9	Actual	MD	578858.23	3751725.19	578858.12	3751725.14	0.12	0.05
8/1/07 12:46 PM	1391	88-17-1391		3.1	6	0	90	Halfshell	Inf	45	Actual	MD	578863.07	3751726.71	578863.11	3751726.54	-0.04	0.17
7/26/07 1:37 PM	1392	90-17-1392		6.1	5	0	120	Frag		8	Actual	MD	579002.53	3751769.64	579002.51	3751769.71	0.0236	-0.066
8/1/07 12:40 PM	1393	88-17-1393		20.8	30	0	220	Frag	Inf	8	Actual	MD	578807.86	3751703.92	578807.74	3751703.98	0.13	-0.06
8/1/07 12:36 PM	1394	88-17-1394		2.6	7	0	100	Frag	Inf	20	Actual	MD	578805.86	3751702.65	578805.94	3751702.48	-0.08	0.17
8/1/07 12:34 PM	1395	88-16-1395		3.9	5	0	80	Scrap Metal	Inf	7	Actual	Cultural	578806.68	3751698.60	578806.66	3751698.49	0.02	0.11
7/26/07 2:53 PM	1396	88-17-1396		2.4	30	0	80	Scrap Metal		8	Actual	Cultural	578897.07	3751727.25	578897.23	3751727.21	-0.1584	0.038
7/26/07 2:54 PM	1397	89-17-1397		2.1	32	0	0	No Contact		0	Actual	No Contacts	578927.06	3751736.85	access to re-	shot coord.		
7/26/07 1:39 PM	1398	90-17-1398		0.2	38	0	0	No Contact		0	Actual	No Contacts	579003.65	3751762.16	579003.85	3751762.22	-0.2044	-0.056
8/1/07 12:48 PM	1399	88-17-1399		0	1	0	0	Rock	Inf	3	Actual	Rock	578866.83	3751717.27	578866.75	3751717.38	0.08	-0.11
7/26/07 1:41 PM	1400	90-17-1400		4.5	3	0	70	Horseshoe		13	Actual	Cultural	579007.47	3751761.86	579007.51	3751761.64	-0.0404	0.221
7/26/07 1:49 PM	1401	89-17-1401		5.3	2	0	0	Rock		1	Actual	Rock	578972.25	3751748.56	578972.44	3751748.56	-0.1894	-0.002
7/26/07 2:51 PM	1402	89-17-1402		1.3	31	0	0	No Contact		0	Actual	No Contacts	578903.56	3751724.28	578903.55	3751724.12	0.0156	0.159
7/26/07 2:49 PM	1403	89-17-1403		0	5	-90	0	Frag		7	Actual	MD	578903.35	3751717.71	578903.23	3751717.93	0.1296	-0.217
7/26/07 1:42 PM	1404	89-17-1404		9.9	39	0	0	No Contact		0	Actual	No Contacts	578998.80	3751745.20	578998.74	3751745.25	0.0606	-0.048
7/26/07 1:46 PM	1405	89-17-1405		0	20	-90	0	Frag		10	Actual	MD	578983.90	3751740.13	578984.03	3751740.05	-0.1244	0.088
7/26/07 2:47 PM	1406	88-16-1406		0.4	30	30	30	No Contact		0	Actual	No Contacts	578884.25	3751697.63	578884.29	3751697.77	-0.0424	-0.132
7/26/07 2:44 PM	1407	88-16-1407		3	3	0	140	Halfshell		30	Actual	MD	578815.87	3751673.69	578815.91	3751673.48	-0.0334	0.207
7/26/07 2:30 PM	1408	88-16-1408		1.8	22	-90	180	Frag		6	Actual	MD	578882.38	3751688.95	578882.41	3751688.86	-0.0294	0.092
7/26/07 1:53 PM	1409	90-17-1409		0	30	0	0	No Contact		0	Actual	No Contacts	579019.76	3751732.83	579019.56	3751732.55	0.1926	0.275
7/26/07 2:33 PM	1410	88-16-1410		0.3	10	-90	0	Bolt		9	Actual	Cultural	578873.97	3751680.12	578873.74	3751680.10	0.2286	0.018
7/26/07 2:42 PM	1411	88-16-1411		0	30	0	0	No Contact		0	Actual	No Contacts	578821.38	3751659.36	578821.14	3751659.44	0.2409	-0.072
7/26/07 1:55 PM	1412	90-17-1412		2.9	0	0	90	Halfshell		30	Actual	MD	579024.97	3751725.73	579025.06	3751725.60	-0.0944	0.132
7/26/07 1:56 PM	1413	90-17-1413		0	30	0	0	No Contact		0	Actual	No Contacts	579019.48	3751719.51	579019.46	3751719.54	0.0167	-0.031
7/26/07 2:28 PM	1414	89-16-1414		2.2	32	0	0	No Contact		0	Actual	No Contacts	578906.07	3751682.31	578906.24	3751682.27	-0.1704	0.039
7/26/07 2:34 PM	1415	88-16-1415		0	3	-90	0	Scrap Metal		6	Actual	Cultural	578879.91	3751669.33	578879.90	3751669.23	0.0126	0.101
7/26/07 1:58 PM	1416	90-17-1416		0	5	-90	0	Scrap Metal		9	Actual	Cultural	579027.68	3751715.36	579028.10	3751715.55	-0.4144	-0.189
7/26/07 2:01 PM	1417	90-17-1417	1	1.6	4	-90	0	Frag		3	Actual	MD	579001.88	3751702.23	579002.15	3751713.95	-0.2744	0.281
7/26/07 2:00 PM	1418	90-17-1418	1	1.1	5	0	120	Halfshell		4	Actual	MD	579011.05	3751702.25	579013.97	3751701.93	0.0826	0.281
8/1/07 12:25 PM	1419	88-16-1419	1	11.2	41	0	0	No Contact	Inf	0	Actual	No Contacts	578894.03	3751665.58	578894.03	3751765.41	0.0020	0.040
7/26/07 2:37 PM	1420	88-16-1420	<del>                                     </del>	0	15	0	190	Scrap Metal		6	Actual	Cultural	578872.89	3751654.78	578872.48	3751654.71	0.4094	0.02
7/26/07 2:26 PM	1421	89-16-1421		0	5	0	220	Frag		6	Actual	MD	578910.53	3751654.78	578910.44	3751654.71	0.4094	0.07
7/26/07 2:03 PM	1421	90-17-1422	1	4.6	15	0	310	Frag		2	Actual	MD	579910.53	3751666.09	579031.18	3751700.43	0.0304	0.212
7/26/07 2:03 PM	1422	89-16-1423	1	6.5	36	0	0	No Contact		0	Actual	No Contacts	578976.85	3751700.67	579031.18	3751700.43	0.0304	0.236
7/26/07 2:18 PM	1423	88-16-1424	1	0.5	9	0	0	Scrap Metal		10	Actual	Cultural	578867.57	3751676.17	578867.61	3751676.13	-0.0386	-0.036
			<del>                                     </del>			-90												
7/26/07 2:40 PM	1425	88-16-1425	<u> </u>	3.9	0	-90	0	Corner Stake		20	Actual	Cultural	578832.40	3751628.92	578833.00	3751628.77	-0.5986	0.144

Table 8.1 Single Point Anomaly Resutls ESTCP Site 18 - Camp Sibert

														orth Meters	UTM 16 No	orth Meters	(Predicted	- Measured)
				(cm)	(cm)	(°)	(°)		(cm)	(cm)			Predicted	Predicted	Measured	Measured		
			M N															
			Mag-N- Flag	Predicted					Predicted		Actual/							
TimeStamp	Aliac	Anomaly ID			Depth	Inclination	Azimuth	Identification	Length	Length		Dia Type	Faating	Northing	Facting	Morthing	A Facting	A Northing
		_	עו						Lengin		Approx	Dig Type	Easting	Northing	Easting	Northing		Δ Northing
7/26/07 2:23 PM	1426	89-16-1426		5	35	0	0	No Contact		0	Actual	No Contacts	578913.45			3751651.89	0.1079	0.266
7/26/07 2:20 PM	1427	89-16-1427		2.7	7	-45	270	Halfshell		30	Actual	MD	578976.20	3751656.82	578976.52	3751657.02	-0.3246	-0.201
7/26/07 2:22 PM	1428	89-16-1428		7.9	4	0	330	Halfshell		30	Actual	MD	578952.64	3751649.78	578953.20	3751649.29	-0.5596	0.488
7/26/07 2:06 PM		90-16-1429		12.4	10	0	0	Nose Frag		7	Actual	MD	579005.02	3751667.47	579004.67	3751667.40	0.3424	0.075
7/26/07 2:08 PM	1430	89-16-1430		0	30	0	0	No Contact		0	Actual	No Contacts	578987.30	3751660.88	578987.39	3751660.88	-0.0866	-0.001
7/17/07 3:09 PM		84-14-1008a			60	-90	200	Baseplate		12	Actual	MD			Same as 1008			
7/25/07 8:10 AM		85-15-1085		30.8	0	-90	0	Corner Stake	3.2	20	Actual	Cultural			578406.00	3751478.32		
6/25/07 2:33 PM		90-15-1136a			42	0	60	Nose Frag		7	Actual	MD			579067.56	3751527.57		
6/11/07 11:47 AM	117a	88-17-117a			15	0	120	Frag		7	Actual	MD			Same as 117			
6/7/07 9:42 AM	172a	89-16-172a			32	0	90	Baseplate		11	Actual	MD			578945.05	3751673.20		
6/13/07 10:11 AM	234a	89-16-234		1	0	0	140	Frag	0	3	Actual	MD			578953.77	3751699.67		
5/30/07 3:42 PM	298a	89-17-298a		30	28	0	0	Nose Frag	5	8	Actual	MD			578919.15	3751719.73		
5/31/07 9:51 AM	305a	89-17-305a		48	42	-45	280	Nose Frag	6	5	Acutal	MD			578943.48	3751721.79		
5/31/07 10:12 AM	332a	89-17-332a		44	33	-60	240	Baseplate	6	11	Acutal	MD			578938.39	3751734.95		
5/31/07 10:13 AM	332b	89-17-332b		44	35	-60	240	Nose Frag	6	5	Acutal	MD			578938.29	3751734.98		
6/12/07 9:10 AM	370a	89-17-370a			10	0	50	Frag		7	Actual	MD			578996.00	3751766.76		
6/12/07 8:35 AM	399a	90-16-399a			14	-90	270	Baseplate		11	Actual	MD			579039.42	3751689.56		
6/18/07 12:06 PM	447a	90-15-447a			35	-45	30	Baseplate		11	Actual	MD			Same as 447			
6/18/07 11:32 AM	454a	90-15-454a			0	0	110	Frag		12	Actual	MD			579044.71	3751531.26		
6/18/07 2:18 PM	459a	90-15-459a			47	-45	120	Baseplate		11	Actual	MD			579054.75	3751533.90		
6/18/07 10:58 AM	475a	90-15-475a			30	-45	0	Baseplate		12	Actual	MD			579058.72	3751543.21		
6/18/07 10:51 AM	477a	90-15-477a			31	-90	60	Nose Frag		7	Actual	MD			579058.74	3751543.50		
6/19/07 8:29 AM	478a	90-15-478a			7	0	0	Nose Frag		7	Actual	MD			579021.91	3751546.79		
6/14/07 12:34 PM	539a	90-15-539a			32	90	-45	Baseplate		11	Actual	MD			579009.89	3751586.91		
6/19/07 10:24 AM	543a	90-15-543A			39	-45	120	Halfshell		30	Actual	MD			579009.61	3751589.18		
6/19/07 10:28 AM	543b	90-15-543B			45	-90	0	Baseplate		12	Approximate	MD		_	579009.55	3751588.69		
6/27/07 10:34 AM	838a	83-14-858a			14	-90	0	Baseplate		11	Actual	MD			578330.43	3751429.35		

#### Notes:

- 1. Frag Munitions debris
- 2. No Contact No anomly reaquuired at the location after investigation 30 cm below the predicted depth
  3. Hot Soil Magnetic soil resulting in signature with Schonstedt.

  4. Base Base plate of a 4.2-inch mortar

  5. Nose Frag Munitions debris from the nose of a 4.2-inch mortar

Table 8.2 Cluster Anomaly Results ESTCP Site 18 - Camp Sibert

										UTM 16 No	orth Meters
			(cm)	(°)	(°)		(cm)			Measured	Measured
								Actual/A			
TimeStamp	Alias	Anomaly_ID	Depth	Inclination	Azimuth	Identification	Length	pprox	Dig Type	Easting	Northing
8/1/07 12:30 PM	1344	88-16-1344	20	0	180	Scrap Metal	40	Actual	Cultural	578854.92	3751636.07
8/2/07 10:39 AM	1345	88-16-1345a	10	0	120	Frag	20	Actual	MD	578861.06	3751676.47
7/30/07 3:33 PM	1377	90-16-1377a	7	0	0	Nose Frag	7	Actual	MD	579032.04	3751613.02
7/30/07 3:41 PM	1380	90-15-1380a	50	-90	0	Baseplate	12	Actual	MD	579037.37	3751585.99
7/30/07 3:53 PM	1381	90-15-1381a	2	0	120	Frag	6	Actual	MD	579032.83	3751575.56
8/2/07 12:04 PM	1346a	89-16-1346a	40	-90	10	Halfshell	30	Actual	MD	578907.45	3751685.41
8/2/07 12:08 PM	1346b	89-16-1346b	30	-90	60	Halfshell	30	Actual	MD	578906.55	3751686.47
8/2/07 10:23 AM	1347a	89-16-1347a	5	0	0	Nose Frag	7	Actual	MD	578923.71	3751665.38
8/2/07 10:25 AM	1347b	89-16-1347b	10	0	180	Baseplate	12	Actual	MD	578924.45	3751666.74
8/2/07 1:28 PM	1348a	89-17-1348a	10	0	20	Halfshell	30	Actual	MD	578968.24	3751742.08
8/2/07 1:31 PM	1348b	89-17-1348b	4	0	130	Frag	14	Actual	MD	578968.79	3751740.10
8/2/07 1:20 PM	1349a	89-17-1349a	30	-90	50	Baseplate	12	Actual	MD	578970.29	3751726.58
8/2/07 1:25 PM	1349b	89-17-1349b	30	0	0	Nose Frag	7	Actual	MD	578970.33	3751726.43
8/2/07 1:27 PM	1349c	89-17-1349c	8	0	120	Frag	0	Actual	MD	578969.47	3751725.16
8/2/07 1:17 PM	1350a	89-16-1350a	1	0	180	Scrap Metal	30	Actual	Cultural	578992.60	3751690.86
8/2/07 1:48 PM	1351a	90-17-1351a	4	0	80	Frag	14	Actual	MD	579007.33	3751716.25
8/2/07 1:43 PM	1352a	90-17-1352a	15	-90	0	Scrap Metal	12	Actual	Cultural	579010.16	3751733.63
8/2/07 1:45 PM	1352b	90-17-1352b	5	0	40	Scrap Metal	3	Actual	Cultural	579010.05	3751734.62
7/30/07 3:35 PM	1353a	90-15-1353a	12	0	220	Wrench	20	Actual	Cultural	579034.76	3751593.87
7/30/07 3:37 PM	1353b	90-15-1353b	30	-90	0	Baseplate	12	Actual	MD	579036.50	3751594.39
7/30/07 3:40 PM	1353c	90-15-1353c	15	0	0	Nose Frag	7	Actual	MD	579036.64	3751592.95
7/30/07 3:56 PM	1354a	90-15-1354a	1	0	0	Nose Frag	7	Actual	MD	579033.50	3751558.10
7/30/07 3:59 PM	1354b	90-15-1354b	5	0	0	Nose Frag	7	Actual	MD	579033.00	3751558.94
7/30/07 4:01 PM	1355a	90-15-1355a	40	-45	160	Halfshell	30	Actual	MD	579056.22	3751551.52
7/30/07 4:06 PM	1355b	90-15-1355b	12	-90	0	Baseplate	12	Actual	MD	579056.81	3751550.49
7/30/07 4:12 PM	1355c	90-15-1355c	40	-90	0	Baseplate	12	Actual	MD	579057.75	3751549.49
7/30/07 4:13 PM	1355d	90-15-1355d	40	0	110	Frag	6	Actual	MD	579057.59	3751549.49
7/30/07 4:16 PM	1355e	90-15-1355e	4	0	60	Frag	4	Actual	MD	579056.76	3751551.59
7/30/07 4:18 PM	1355f	90-15-1355f	18	0	310	Frag	2	Actual	MD	579057.99	3751550.59
7/30/07 4:21 PM	1356a	90-15-1356a	30	-90	0	Baseplate	12	Actual	MD	579051.49	3751548.04
7/30/07 4:25 PM	1356b	90-15-1356b	2	0	0	Nose Frag	7	Actual	MD	579050.86	3751549.15

Table 8.2 Cluster Anomaly Results ESTCP Site 18 - Camp Sibert

						amp Sibert				UTM 16 No	orth Meters
			(cm)	(°)	(°)		(cm)			Measured	Measured
								Actual/A			
TimeStamp	Alias	Anomaly_ID	Depth	Inclination	Azimuth	Identification	Length	pprox	Dig Type	Easting	Northing
8/1/07 3:17 PM	1357a	90-15-1357a	30	-90	0	Baseplate	12	Actual	MD	579051.82	3751544.41
8/1/07 3:22 PM	1357b	90-15-1357b	30	-90	0	Nose Frag	12	Actual	MD	579052.19	3751545.52
8/1/07 3:23 PM	1357c	90-15-1357c	5	0	0	Frag	7	Actual	MD	579051.91	3751546.46
8/1/07 2:06 PM	1358a	90-15-1358a	3	0	0	Nose Frag	7	Actual	MD	579059.77	3751535.63
8/1/07 2:08 PM	1358b	90-15-1358b	40	-90	0	Baseplate	12	Actual	MD	579061.16	3751535.03
8/1/07 2:25 PM	1359a	90-15-1359a	40	0	0	Nose Frag	7	Actual	MD	579070.32	3751540.16
8/1/07 2:30 PM	1359b	90-15-1359b	45	-45	140	Baseplate	12	Actual	MD	579070.44	3751540.30
8/1/07 3:05 PM	1359c	90-15-1359c	50	-45	350	Halfshell	30	Actual	MD	579068.31	3751539.64
8/1/07 3:11 PM	1359d	90-15-1359d	2	0	290	Frag	4	Actual	MD	579067.12	3751537.78
8/1/07 3:14 PM	1359e	90-15-1359e	25	0	80	Frag	4	Actual	MD	579068.61	3751538.42
8/1/07 2:02 PM	1360a	90-15-1360a	0	0	0	Nose Frag	7	Actual	MD	579043.97	3751522.62
8/1/07 2:03 PM	1360b	90-15-1360b	0	0	0	Nose Frag	7	Actual	MD	579044.35	3751522.01
8/1/07 2:04 PM	1360c	90-15-1360c	2	0	250	Baseplate	12	Actual	MD	579045.32	3751522.86
7/30/07 1:55 PM	1361a	83-14-1361a	2	0	50	Scrap Metal	4	Actual	Cultural	578310.64	3751451.32
7/30/07 1:57 PM	1361b	83-14-1361b	15	0	0	Scrap Metal	10	Actual	Cultural	578309.91	3751450.16
7/30/07 1:59 PM	1361c	83-14-1361c	5	0	0	Scrap Metal	7	Actual	Cultural	578313.40	3751453.03
7/30/07 2:03 PM	1361d	83-14-1361d	15	0	0	Nose Frag	7	Actual	MD	578308.14	3751451.77
7/30/07 1:47 PM	1362a	83-14-1362a	3	0	0	Nose Frag	7	Actual	MD	578365.32	3751419.36
7/30/07 1:50 PM	1362b	83-14-1362b	4	-90	340	Frag	6	Actual	MD	578365.02	3751419.77
7/30/07 1:50 PM	1362c	83-14-1362c	12	-90	0	Baseplate	12	Actual	MD	578364.47	3751418.18
7/30/07 1:30 PM	1363a	83-14-1363a	15	0	60	Frag	14	Actual	MD	578369.97	3751443.63
7/30/07 1:37 PM	1363b	83-14-1363b	4	0	350	Frag	7	Actual	MD	578366.43	3751438.90
7/30/07 1:42 PM	1363c	83-14-1363c	5	0	110	Frag	5	Actual	MD	578357.72	3751441.14
7/30/07 1:45 PM	1363d	83-14-1363d	3	0	70	Frag	5	Actual	MD	578356.92	3751440.55
7/30/07 1:27 PM	1364a	83-14-1364a	1	0	20	Scrap Metal	30	Actual	Cultural	578385.67	3751464.00
7/30/07 2:23 PM	1365a	83-14-1365a	4	0	110	Frag	13	Actual	MD	578443.58	3751434.10
7/30/07 2:26 PM	1365b	83-14-1365b	20	-90	170	Scrap Metal	22	Actual	Cultural	578442.02	3751434.62
7/30/07 12:54 PM	1366a	83-14-1366a	5	0	270	Scrap Metal	7	Actual	Cultural	578433.40	3751488.92
7/30/07 1:00 PM	1366b	83-14-1366b	4	0	0	Scrap Metal	4	Actual	Cultural	578434.47	3751486.92
7/30/07 1:12 PM	1367a	83-14-1367a	16	0	0	Nose Frag	7	Actual	MD	578413.49	3751498.83
7/30/07 1:15 PM	1367b	83-14-1367b	12	0	90	Frag	9	Actual	MD	578413.05	3751496.81

Table 8.2 Cluster Anomaly Results ESTCP Site 18 - Camp Sibert

										UTM 16 No	orth Meters
			(cm)	(°)	(°)		(cm)			Measured	Measured
<b>-</b>				l				Actual/A			
TimeStamp	Alias	Anomaly_ID	Depth	Inclination	Azimuth	Identification	Length	pprox	Dig Type	Easting	Northing
7/30/07 1:18 PM	1367c	83-14-1367c	8	0	320	Frag	5	Actual	MD	578415.63	3751499.76
7/30/07 1:22 PM	1367d	83-14-1367d	18	0	190	Frag	14	Actual	MD	578415.69	3751498.79
7/30/07 1:24 PM	1367e	83-14-1367e	14	0	330	Frag	15	Actual	MD	578414.86	3751497.88
7/30/07 1:01 PM	1368a	84-15-1368a	15	0	90	Frag	6	Actual	MD	578418.88	3751505.28
7/30/07 1:08 PM	1368b	84-15-1368b	2	-45	190	Frag	7	Actual	MD	578417.83	3751505.06
7/30/07 1:05 PM	1368c	84-15-1368c	12	0	120	Baseplate	12	Actual	MD	578417.19	3751505.28
7/30/07 1:09 PM	1368d	84-15-1368d	2	0	140	Baseplate	12	Actual	MD	578416.49	3751506.88
7/30/07 1:10 PM	1368e	84-15-1368e	4	0	80	Frag	5	Actual	MD	578416.26	3751507.50
8/2/07 11:00 AM	1369a	88-17-1369a	2	0	0	Frag	3	Actual	MD	578883.69	3751734.40
8/2/07 11:00 AM	1369b	88-17-1369b	0	0	90	Halfshell	30	Actual	MD	578884.19	3751735.52
8/2/07 11:05 AM	1369c	88-17-1369c	35	0	100	Frag	6	Actual	MD	578885.81	3751735.18
8/2/07 11:07 AM	1369d	88-17-1369d	15	0	80	Frag	11	Actual	MD	578887.38	3751735.12
8/2/07 11:08 AM	1369e	88-17-1369e	15	0	200	Frag	7	Actual	MD	578888.92	3751736.44
8/2/07 11:09 AM	1369f	88-17-1369f	13	-90	0	Baseplate	12	Actual	MD	578888.58	3751734.70
8/2/07 11:12 AM	1369g	88-17-1369g	4	0	270	Halfshell	30	Actual	MD	578886.84	3751733.28
8/2/07 10:45 AM	1370a	88-16-1370a	75	0	270	Halfshell	30	Actual	MD	578851.52	3751693.85
8/2/07 10:57 AM	1370b	88-16-1370b	30	0	20	Frag	8	Actual	MD	578849.74	3751693.34
8/2/07 10:41 AM	1371a	88-16-1371a	8	0	30	Frag	8	Actual	MD	578853.86	3751680.20
8/2/07 10:41 AM	1371b	88-16-1371b	30	-90	0	Baseplate	12	Actual	MD	578854.89	3751679.02
8/2/07 10:41 AM	1371c	88-16-1371c	35	0	0	Nose Frag	7	Actual	MD	578855.24	3751679.13
8/2/07 12:11 PM	1372a	89-17-1372a	5	0	0	Scrap Metal	6	Actual	MD	578912.86	3751683.10
8/2/07 12:12 PM	1372b	89-17-1372b	10	0	240	Frag	9	Actual	MD	578912.14	3751682.87
8/2/07 10:27 AM	1373a	89-16-1373a	5	0	250	Scrap Metal	10	Actual	Cultural	578929.64	3751645.18
8/2/07 1:50 PM	1374a	90-16-1374a	5	0	200	Frag	7	Actual	MD	579033.77	3751681.77
8/2/07 1:52 PM	1374b	90-16-1374b	10	0	0	Halfshell	4	Actual	MD	579034.63	3751682.91
8/2/07 1:53 PM	1374c	90-16-1374c	4	0	0	Frag	4	Actual	MD	579033.18	3751682.33
8/2/07 1:53 PM	1374d	90-16-1374d	NA	NA	NA	Frag	NA	Actual	MD	579034.61	3751681.43
8/2/07 1:54 PM	1374e	90-16-1374e	3	0	0	Nose Frag	7	Actual	MD	579032.40	3751682.79
8/2/07 1:55 PM	1374f	90-16-1374f	4	0	10	Frag	6	Actual	MD	579031.77	3751682.72
8/2/07 1:56 PM	1374g	90-16-1374g	7	0	60	Frag	7	Actual	MD	579032.10	3751684.09
8/2/07 1:56 PM	1374h	90-16-1374h	8	0	240	Frag	8	Actual	MD	579030.42	3751684.73

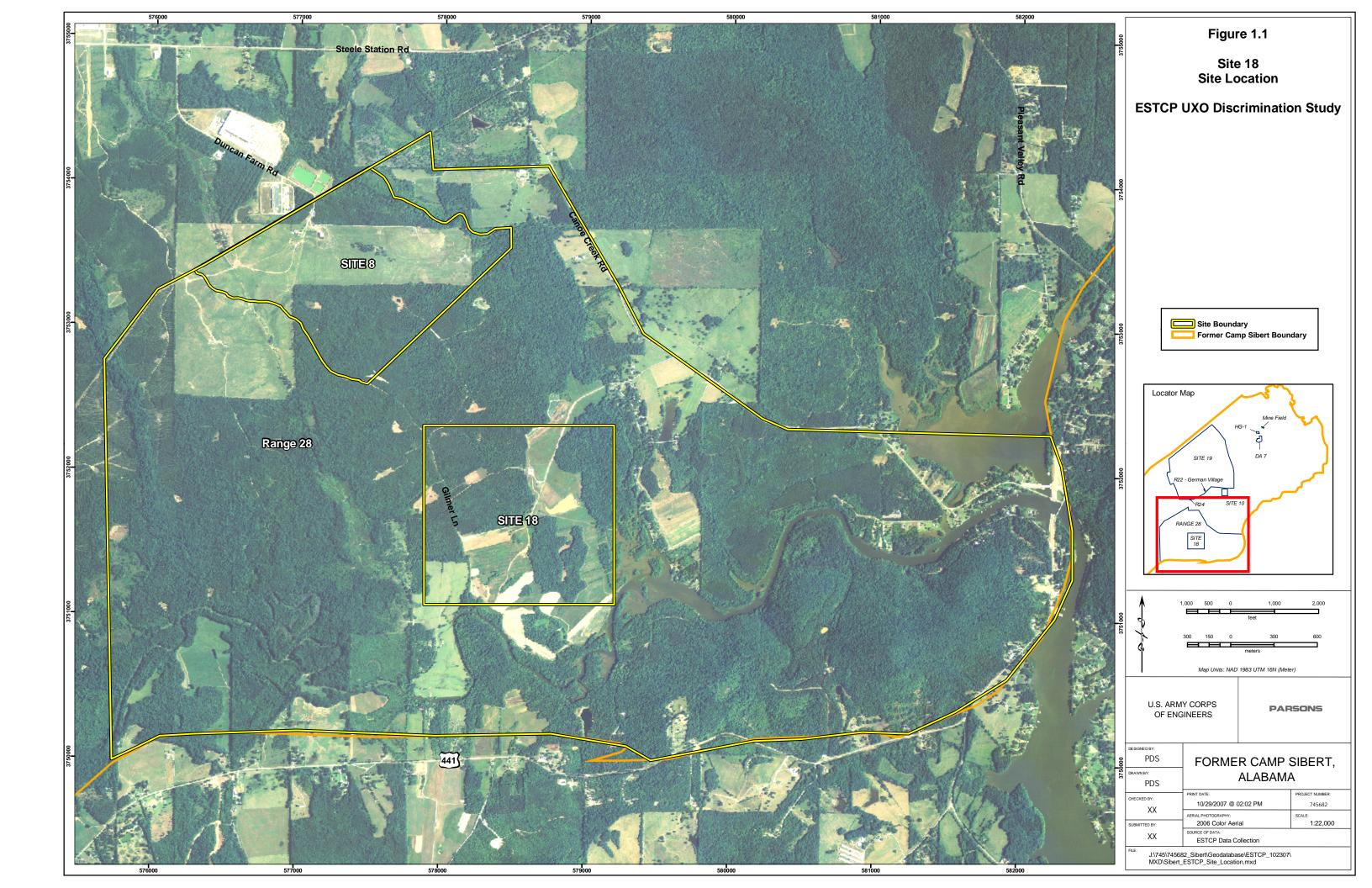
Table 8.2 Cluster Anomaly Results ESTCP Site 18 - Camp Sibert

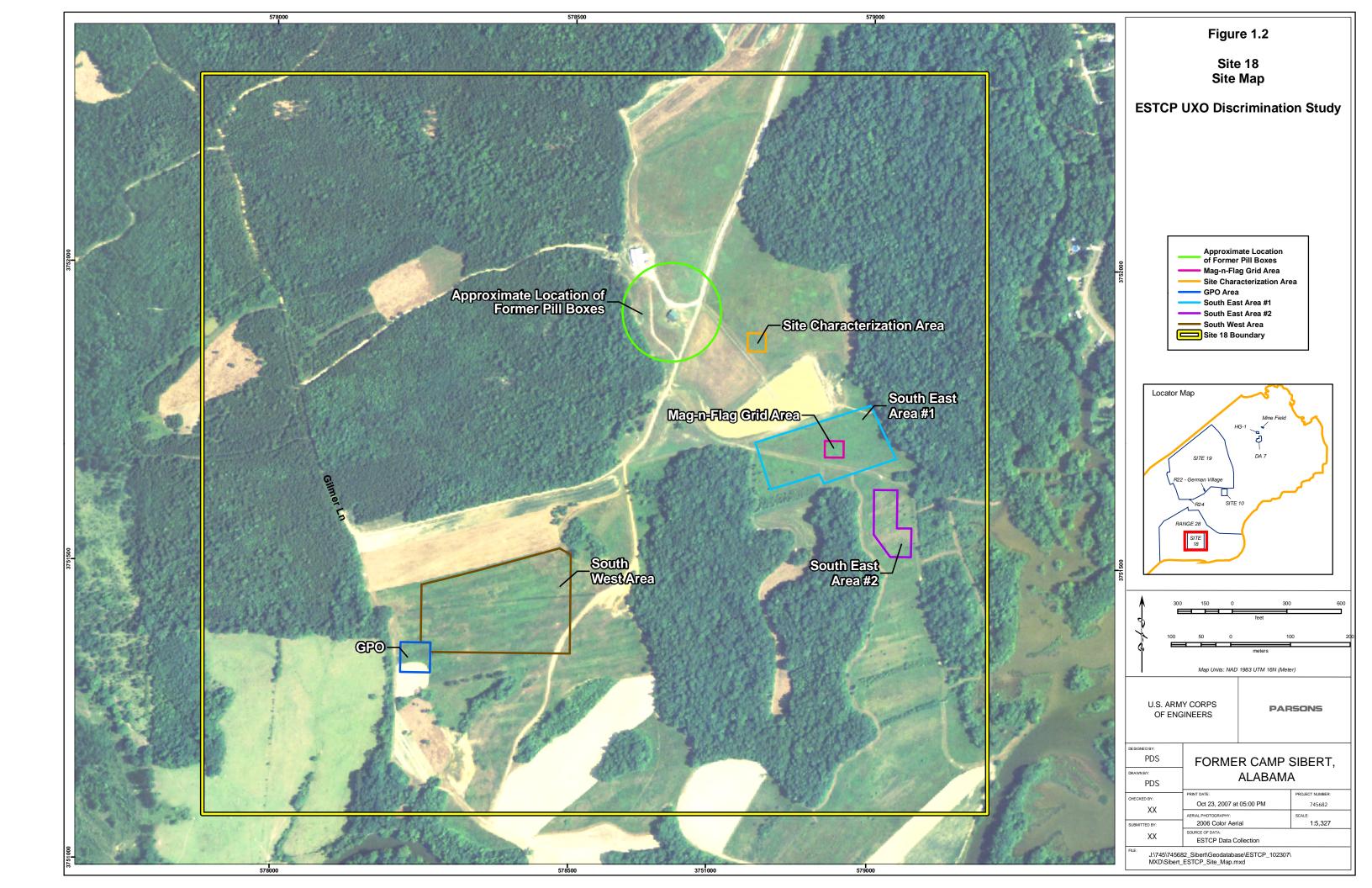
						•				UTM 16 No	orth Meters
			(cm)	(°)	(°)		(cm)			Measured	Measured
								Actual/A			
TimeStamp	Alias	Anomaly_ID	Depth	Inclination	Azimuth	Identification	Length	pprox	Dig Type	Easting	Northing
8/2/07 1:57 PM	1374i	90-16-1374i	3	0	20	Frag	3	Actual	MD	579035.31	3751680.25
8/2/07 1:59 PM	1374j	90-16-1374j	20	0	270	Frag	4	Actual	MD	579030.86	3751686.21
8/2/07 2:02 PM	1374k	90-16-1374k	2	0	0	Frag	1	Actual	MD	579034.60	3751681.52
8/2/07 9:25 AM	1375a	90-16-1375a	3	0	0	Rock	2	Actual	Rock	579020.70	3751620.58
8/2/07 9:26 AM	1375b	90-16-1375b	15	0	0	Nose Frag	7	Actual	MD	579021.64	3751619.10
8/2/07 9:23 AM	1376a	90-16-1376a	30	-90	0	Baseplate	12	Actual	MD	579016.99	3751613.17
8/1/07 3:48 PM	1378a	90-16-1378a	25	0	60	Frag	15	Actual	MD	579018.21	3751600.61
8/2/07 9:04 AM	1378b	90-16-1378b	70	-90	170	Halfshell	30	Actual	MD	579018.86	3751599.60
8/2/07 9:10 AM	1378c	90-16-1378c	56	0	0	Soils	0	Actual	Soils	579015.17	3751599.62
8/1/07 3:26 PM	1379a	90-15-1379a	30	0	0	Nose Frag	7	Actual	MD	579020.28	3751587.35
8/1/07 3:37 PM	1379b	90-15-1379b	60	-90	0	Baseplate	12	Actual	MD	579020.48	3751587.48
8/1/07 2:14 PM	1382a	90-15-1382a	38	-45	280	Baseplate	45	Actual	MD	579062.98	3751542.48
8/2/07 11:54 AM	1383a	89-17-1383a	110	90	0	Seeds	45	Actual	Seed Item	578903.09	3751712.19
8/2/07 1:34 PM	1384a	89-17-1384a	100	-45	180	Seeds	45	Actual	Seed Item	578986.79	3751746.11

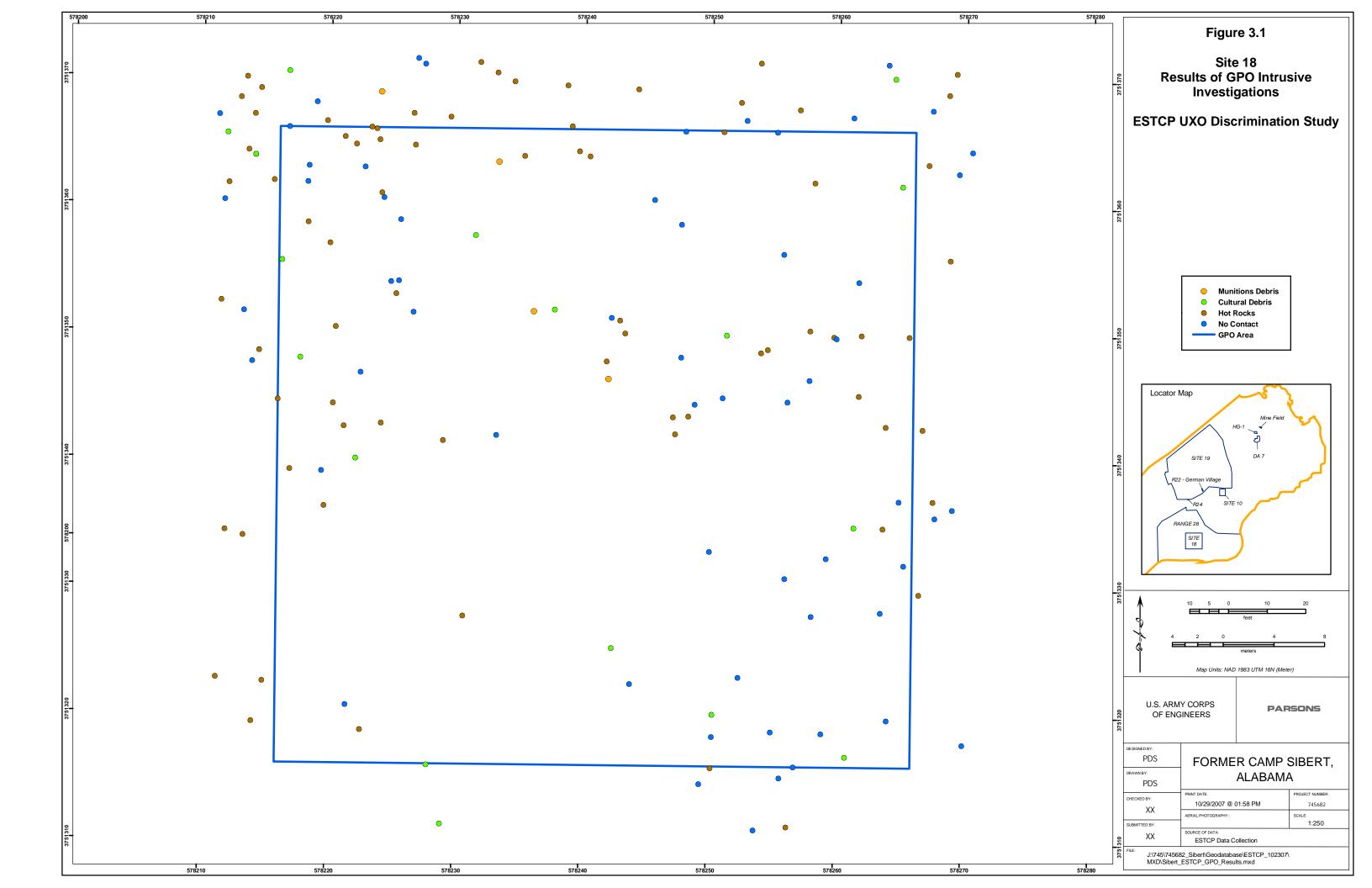
#### Notes:

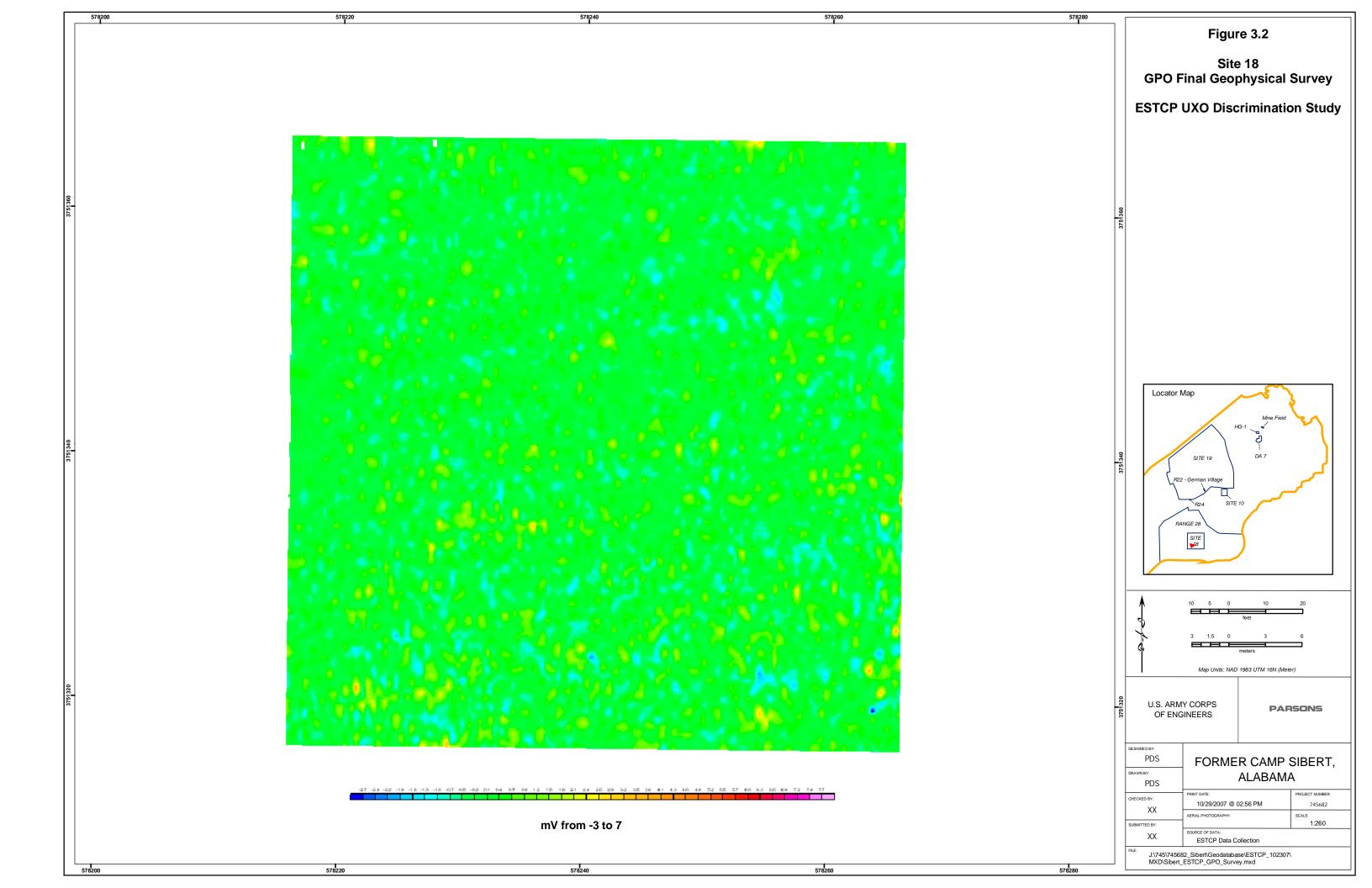
- 1. Frag Munitions debris
- 2. No Contact No anomly reaqcuired at the location after investigation 30 cm below the predicted depth
- 3. Hot Soil Magnetic soil resulting in signature with Schonstedt.
- 4. Base Base plate of a 4.2-inch mortar
- 5. Nose Frag Munitions debris from the nose of a 4.2-inch mortar

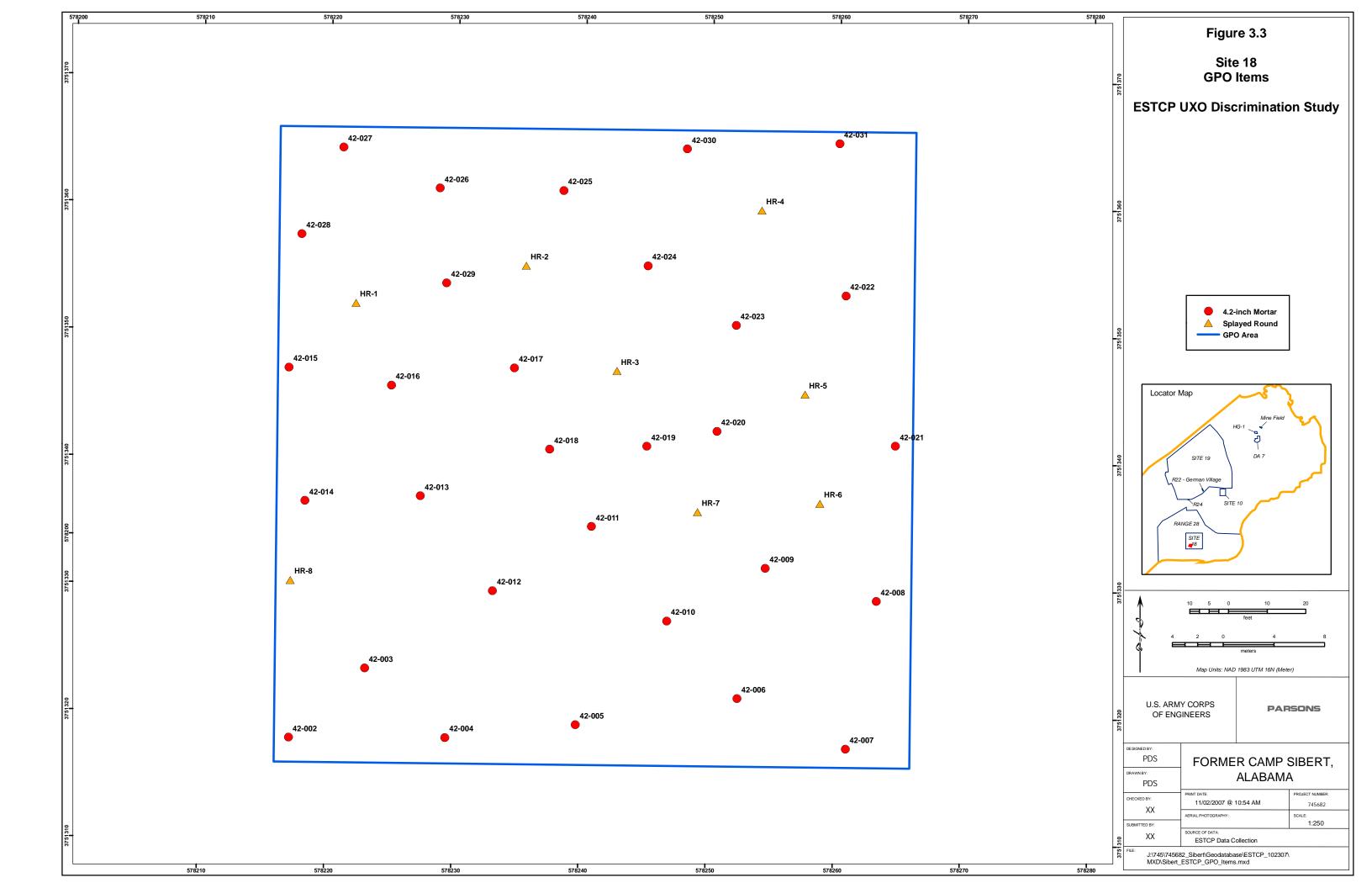
#### **FIGURES**

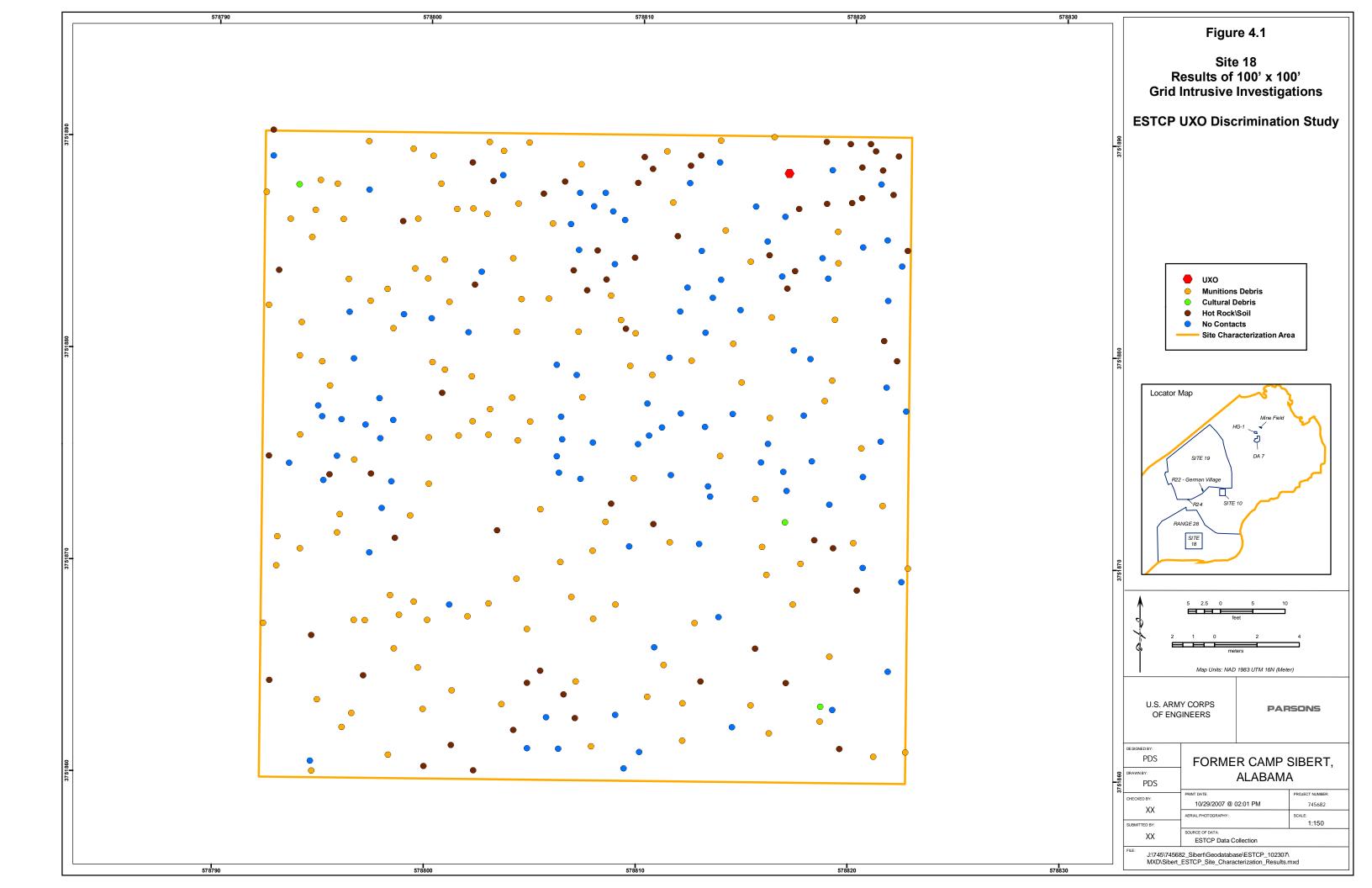




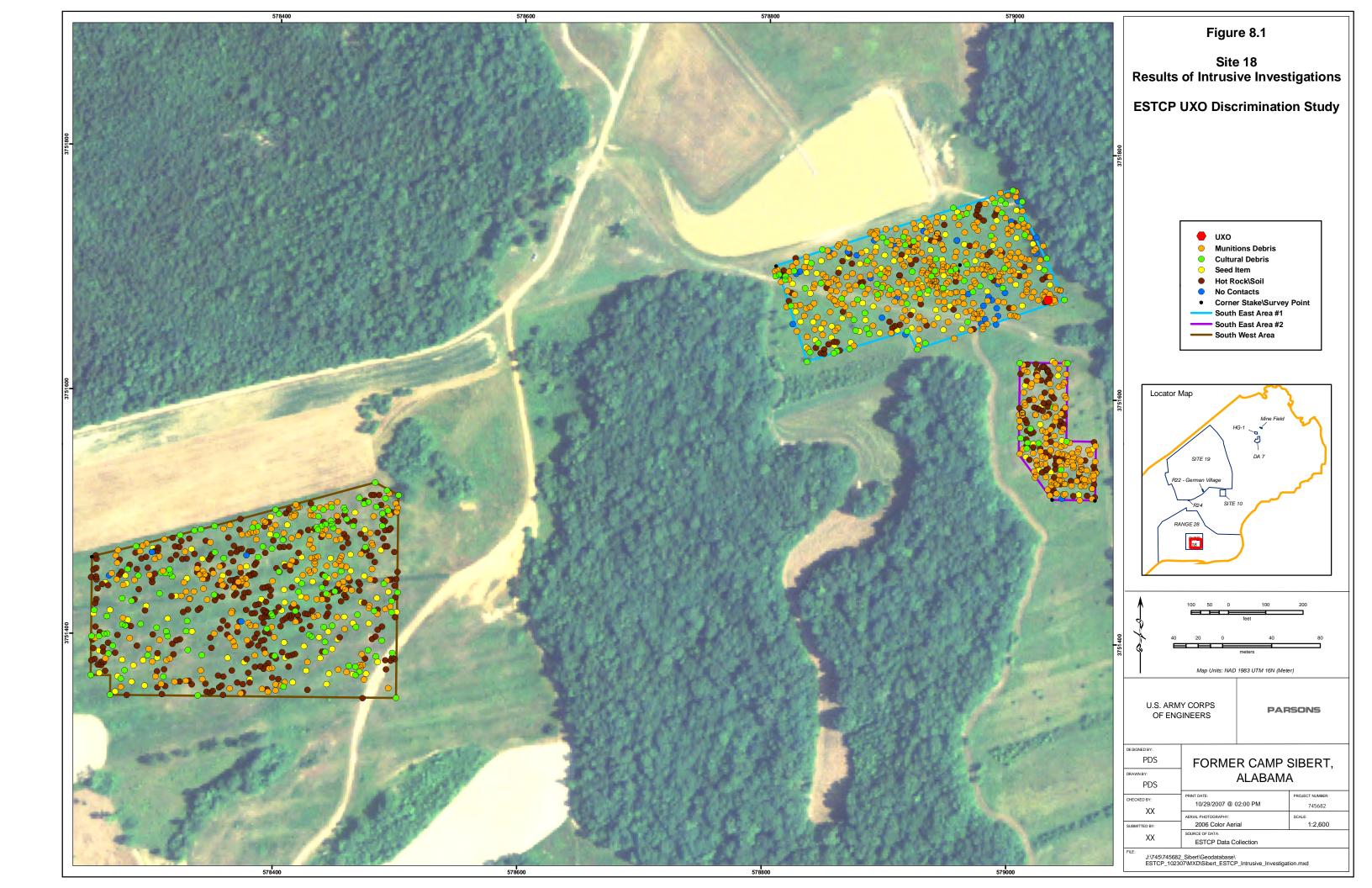












# APPENDIX A GPO Photographs

# **APPENDIX B Seeding Photographs**

#### **APPENDIX C**

### EM61-MK2 Data Collection and Analysis at Camp Sibert

# APPENDIX D Intrusive Investigation Photographs

### **APPENDIX E Munitions and Cultural Debris Disposition Documentation**

	91 (EG) 155UE	RELEASEINEO		MEN!	
27. ADDITIONAL DATA	26. Ric (4-6) U1 (23-24) GTY (25-28) CON CODE (74) DIST (55-56) UP (74-80) SUXOS	25. NATIONAL STOCK NO. & ADD (8-22)	24. DOCU & SUI	MENT NUMBER FFIX (30-44)	-IZMO- N
<b>.</b>	QTY (25-29) CON CODE (71)	ADD (8-22)	1	(2.00)	ω
1 2 3	DIST (55-56)		1	75 11	<u> </u>
> la 7	OF (74-60)			6.14.	<u> </u>
75 % SE	S EE			12/11	- 0/MeZ - 4
LES .	Os mis C			5 3	20 JN - 22 - 22 - 22 - 22 - 22 - 22 - 22 -
~ ~ ~ B	7 38			10	
USAESCH Safety Specialist——  Treen #5 H  HR-7 HR-8	This Certifies that the materi illuminating dials, and other a SUXOS			(A) \	S ON
SE	% <b>/</b> ≥ ₽	\		Place	72 8 NIII
F 7		\		3 20	40 × 6N
<b>→</b> <u>©</u>	X 3/2	\		comp	comoc d
, E	<b>"</b> /// 等層	\		0 0	2≦5 6
00 2 7	. § <i>Z[[]</i> ]	\	•	N	
2 2	~ W /3/E			Ĭ	SUPPLE- MENTARY ADDRESS
0	2 / <i>E</i> E	,	\	9	G-8 51
			\	4	OZCT S
			\		535
			\		
8	This Certifies that the material ligited has been 100 percent properly inspected and to best of our knowledge and belief, is free of explosive hazards, engine fluids luminating dials, and other rish edited in the control of the con		\	16.	
1 1 2 16	Ø. Bå			60	)
				\$	77 5
No F.	O KILLE		/	1 3	->미 <u>육</u>
	7 d 3		,	$F_{\mathcal{S}} \sim$	DOMX S
				31	00mx 62 0m-1 00 64 m-1>0
HR-2,	ু হ			less trous	<d> 69</d>
	<b>\$</b> 1			٠,	66
	The second				20 €
	) <u>ii.</u>				5871 C
Date	D 5				₽~0 3 0200 3
, ,	nd to b				-IQ <u>≤</u> 72
200	D   1/2 2	>_12 š	7 3 8	5 5	7
		1 2		10. QTY	
	i Po			S. DOC DATE	
1/2-4, HR-S	2 %, b	18. TY COMT 18. NO CONT	16. FREIGHT CLASSIFICATION NOMENCLATURE  17. ITEM NOMENCLATURE  Munitions Debris	ATE OF N	UNIT PRICE
7 1	<b>₩</b> ₹		<b>克</b>	6. NMFC	3TS = 88
1 6	<b>1</b> 2 2	<b>≥</b> 1 8	bris SS	11.Up	1.
1 2	وة دا		된 콩	F  '	1. TOTAL PRICE DOLLARS
, ,	E	7	귀 글	13	DOLLARS
	Z 2	1982	9	چ ا	RS 23
1 3	0 5	( 18 C)	ĮŠ	7. FRT	
<b>-</b>	CO 7 is free o	20. TOTAL WEIGH	l B	7. FRT RATE	CIS
1	\$ 1/2		2	4  4	
1 9	` &	63   ₹	1		2. SHIP F
4	<del>ğ</del> .		22		
	ogi .			ಫ	2. SHIP FROM 4. MARK FOR
1 7	¥e.	18	ļ	چ چ	FOR
<i>*</i>	haz		•	3  ₃	
, , ,	ard		1	8, TYPE O	ļ <u>†</u>
6	s,er	1 2 2		A	
, ,	<b>E</b> .	21. TOTAL CUBE  23. DATE RECEIVE  24. TOTAL CUBE		14. UFG	3. S
	ਲ ਜ਼	四 型 到		ᅵ뒹	3. SHIP TO
	luid		1	"	ਰ
	<b>%</b>	21. TOTAL CUBE  23. DATE RECEIVED  3/28/0"	1	9. 35. PS	
	_		ı	55. SE	
	+				

DD FORM 1348-1A, JUL !	91 (EG) ISSUE									
27. ADDITIONAL DATA	26. RIC (4-6) UI (23-24) QTY (25-29) CON CODE (71) DIST (55-56) UP (74-80)	25. N. STOO ADI	ATIONAL CK NO. 8 D (8-22)		24. DOCI & SL	JMENT N IFFIX (30	IUMBER -44)		TROM	1 -
Kenneth A Cargel SUXOS Parsons Huntsville AL 256-217-2501  10-3-07	This Certifies that the material listed has been 100 percent inspected and to the best of our knowledge and belief, are inert and/ or free of explosives or related materials.	LAST ITEM		Drum # 13 seal # 1230109 Drum # 14 seal # 1230108  Drum # 15 seal # 1230106 Drum # 16 seal # 1230102	Munitions Debris from Former Camp Sibert Alabama, MEC Investigation Drum #1 seal #1230113 Drum #2 seal #1230116 Drum #3 seal #1230114 Drum #4 seal #1230112 Drum #5 seal #1230111 Drum #6 seal #1230115 Drum #5 seal #1230120 Drum #8 seal #1230107 Drum #7 seal #1230119 Drum #10 seal #1230118 Drum #11 seal #1230117 Drum #12 Seal #1230110			20	M. M. COANTINATE OF THE READ O	7 3 4 5 6 7 8 9 4546474848505152535455565758596061626364656667
W	best of our know	Z2. REC	18. TY CONT Drum	Scrap	Scrap	10. QTV 20 I	5. DOC DATE	· · ·	DZOC HOZ	70717273747576
James O. Gilchrist UXOSO Parsons Huntsville AL 256-217-2501	vledge and be	22. RECEIVED BY	19. N	Scrap Metal/ Munitions Debris	16. FREIGHT CLASSIFICATION NOMENCLATURE Scrap Metal/Munitions Debris	10. QTY. REC'D   11.UP 20 Drums	DATE 6. NMFC		DOLLARS CTS	Γ:
W 200	slief, are iner		10 CONT 20.	tions Debris	ions Debris	P 12. UNIT WEIGHT			DOLLARS	
	t and/ or free		TOTAL WEIGHT		ENCLATURE	EIGHT	7. FRT RATE	4. MARK FOR	CIS	r. grain i NOM
	of explosive		47			13. UNIT CUBE	8. TYPE (	KFOR		CE
	s or related	23. DATE RECEIVED	21. TOTAL CUBE	•		E 14. UFC	TYPE CARGO			9
		CEIVED	ЭВЕ			:5 SE	9. PS			,

Linner.		Share Sues	र र स्थापनस्य व	CALL S	31.7.262	Service and the	was sar													
-		ERC	IAL B	ĽĽ.	OF L	ADINE		10.00	DA1 2007-	69-04	OI	RIGINA	L	H/L NO. >	NO	017300	0067	70	4 	
i nome a so .							SCA(	AC CARRIER ACCOUNT NO.									<u> </u>			
			e, addres			<b>9</b> )							iross a	ind ZIP c	ode)				Г	
ARMY RESEARCH LABOR TORY BLOSSOM POINT ROAD SPLC (Dest.)							PARSON'S 1200 PINEVIEW CIRCLE SPLC								C (Orig	.)				
BI.DG. 511 WELCOME, MD 20693 US BI.OS  CONSIGNEE (Name, address and ZIP code of installation)									RAINBOW CITY, AL 35904 US PARS 471762000											
AR	NY RESE	ARCH	LABORA			or installa	tion)			USNA	VY			and ZIP		-				
BLOSSOM POINT ROAD BLDG. 511								C/O US NAVAL RESEARCH LABORATORY 4555 OVERLOOK AVE, S.W.,BLDG 49												
WELCOME, MD 20693 US BLOSBENV									WASHINGTON, DC 20375 US N80173											
APPROPRIATION CHARGEABLE									BILL CHARGES TO (Depuagency, bureautoffice mailing address and ZIP code) PowerTrack, U.S. Bank											
VIA (	VIA (Route shipment when advantageous to the Government)									EP-MN-L27C 200 South Sixth Street Minneapolis, MN 55402										
	KS AND	ANNO	TATION:				***************************************	· · · · · · · · · · · · · · · · · · ·			<del>'</del>		7402	······································	Te	: J DD:20	07-69-1		RTRK 228355	
POC	56_295_486	4	KEN CANC		UGH.					APPLY	P NU: KIPPE TO T	MBER: PIER TO LO	MA QAN V Shiri	D CONSIC	NEE	to unlo				
TOTA	L PKGS.		DESCR	IPTIC	N OF A	RTICLES	(Use d	arrier's cla	assifica	MAN QL	IANT	ITY -				F BILLING CARRIER ONLY				
NO	KIND	НМ			descript		otherw	ise use cl	ear	Ga	llons Mels)	ÒΓ	Services		Rate		Charges		·	
			CLA88:FI 999913	CATION	I ITEM NO	Pag	e I of I								T			<del></del>	f	
			PAK (Se M	372286	HIJXXX CL															
_			BARREI S	COMMCDITY:9999]3 BARREI S ON SKIDS																
8	BRL		8 BL CU 155.6 48L40W40H 2H09.01.B							280	0.0 L.E	3								
			Milenes	Milong, 681 TOT Q (14:2800LB C1):256														1		
a	BBL					CU:356	~~~			2800.0 £.B			TOTAL CHARGES					-		
	F/SPEC! :003934-0		TE AUTH	ORIT		E .		CE FURNIS Y LOADED		SHIPPERS INITIALS ROUTE ORDER/RELEASE NUMBER  BWB									<del> </del>	
STOP	SHIPME	NT AT	•				SH INF	ORMATIC	NO N	CAR/TR	RUCK	(LOAD/C	ONTA	INER SH	IIPMI	ENTS				
INITIALS & NO. SEA						SEAL	NUMBER	_	LENGTH/CUBE MARKED CAP								DATE			
FOR ABFS:615802P6						APPLI	ED BX) sh		ORDERED FURNISHED ORDERED FURNISHED											
	RIER'S F		DATE		Sugn	YURE C			17/	PE	R.		CAR	I RIER WA		REIGHT E	JILL N	IO. ANI	D DATE	
MODE	2007-09-0 ESTI	MATE	NO CI,S	TLS		ATE	A 3C			CARRIER WAY/FREIGHT BILL NO. AND D 72285803 DELIVERED ON DATE AT (Actual delivery point)										
B	S05.2		1			<i>y</i>	/	ł	1	DELIVERED ON DATE AT (Actual delivery point)										
	AVAL RE							nplote addre		BY (	Nam	e of the	deliver	ing carrie	r)					
C/O µ	S NAVAL		ARCH L				Γ	GBLOC		DELIVERE EXCEPT A	D THE S MAY	CONSIGN BE INDIC	MENT C	OMPLETE	E IN A	PPARENT (	GOOD (	ORDER	<del></del>	
1555 OVERLOOK AVE, S.W. BLDG 49 WASHINGTON, DC 20375 UN N00173 BENV								Γ	CARRIER OSED REPORT NAME OF BILLING									R		
CONTRACT/PURCHASE OF DER NO. AND FOB POINT DATED									DELIVERY AT DESYMATION FURNISHED											
HIS US GOVERNMENT SHIPMENT IN SUBJECT TO THE TERMS AND CONDITIONS LISTED IN TO								וו או דער	ACCESSORIAL SÉRVICES CERTIFICATION ATTACHED ME 31 CFE 102-117 AND ACCESSORIAL ME 31 CFE 102-117 AND ACCESSORIAL											
HIS IN T	O CERTIFY	THAT H	ERE-IN NAN	AM CE	TERIALS	RE PROPE	RLY CL	ASSIFIED, O	EGCRIBI	ED, PACK	AGED	, MARKED	, AND L	·116. MELEO, AI	ND AR	E IN PROPI	≅R CON	NOITION		
THIS S HE CAF	HIPMENT IS RIER SHAL	L NOT N	WKE DE FIN	TO THE	E CONSIG THIS SHI	MEE WITHO	UT REC	ASSIFIED, OF OF THE DEP/ OURSE ON T AYMENT OF	FREIGH	VSIGNOR, IT AND AL	THE C	ONSIGNO ER LAWFI	Subjec IR Shal UL Chai	IT TO SECT L SIGN THE RGES,	FOLL	of the co owng st	ONDITI ATEME	ONS, NT:		
ECEIVE	D, SUBJEC	Y YO TH	E TENDI RS	AND R	ULES IN E	FFECT ON	THE DA	TE OF THE I	SSUE OF	THIS BIL	L OF	ADING, T	HE PRO	PERTY DES	CRIBE	ED ABOVE I	— IN APP	ARENT .		
BOVEN FINE F DANOT	MICH SAID PROPERTY MER CARE	CARRIE UNDER JER OM	R (THE WORTHE CONTR. THE ROUTE	D CAR	RIER BEIN GREES TO	GUNDERS CARRY TO	TOOD T	TE OF THE IS ENTS OF PAI HROUGHOU UAL PLACE ALLY AGREE IT ANY TIME G TERM ANY HE BILL OF L D ACCEPTE D ACCEPTE FER TO BE I EPAIN	T YHIS C	ONTRAC VERY AT	T AS I	ARKED, C MEANING / DESTINATI	UNSIGN LNY PER ION, IF C	EU, AND D SON OR C M ITS ROU	ESTINI ORPO TE, O1	ED AS INDI RATION IN THERWISE	CATED POSSE TO DE	SSION		
PRESE	OF THE SAMED HERE (	UNDER	TE TO DEST	NATIO	N AND AS	TO EACH P	ARTY A	T ANY TIME G TERM AN	INTERE	STED IN A STED IN A STED IN	ANGLE LL OF THE C	R OF ALL RAMY SAII OVERNIN	OR ANY D PROPI G CLAS:	OF SAID RTY, THAT SIFICATION	PROPI EVE	ERTY OVER RY SERVICE HE DATE O	ALL C	X ÄÑY		
AID TE	RMS AND CO	NOTIO	NS ARE HEI	TO ST	OREED BY	THE SHIP	PER AN	DACCEPYE G THE AGR	AUNG D FOR H EED OR	TEXMS AL IMSELF A DECLARI	ND CO ND HI ED VA	NDITIONS 5 ASSIÇNI LUE OF TH	IN THE B. NOTE E PROP	GOVERNIN - WHERE Y TERTY, THE	G CLA HG RA	SSIFICATION TE IS DEPI	ON ANI	THE .		
,	PER_		- HEKEIIY S		FREIGH	ATED BY TI T CHARGES	ne 5H(P B PR	PER TO BE I	COLL	ECT	F	REIGHT P	REPAID	UNLESS C	OLLE	CT BOX IS	CHECK	ED.		
١,	w D.ST ARI	Freia	ht System	T	otal									· · · · · · · · · · · · · · · · · · ·						
	<b>484</b>	782	ht System <b>507</b>	1 P	ages		enhiert to	)										Ī		
			Jod	age rece	iot of freight	Shipment is	ARF's to	riffs.										1		



DD FORM 1348-1A, JUL 91 (EG) ISSUE RELEASE/RECEIPT DOCUMENT 24. DOCUMENT NUMBER & SUFFIX (30-44) 25. NATIONAL STOCK NO. & ADD (8-22) 27. ADDITIONAL DATA OOC -IZMOν 3 4 O) Munitions Debris from Former Camp Sibert Lot-18 8 each Poly Drums
Drum #1 seal # 1230128, Drum #2 seal # 1230130
Drum #3 seal # 1230126 Drum #4 seal # 1230129
Drum #5 seal # 1230123 Drum #6 seal # 1230122
Drum #7 seal # 1230121 Drum #8 seal # 1230125 Kenneth A Cargel SUXOS Parsons Huntsville AL 256-217-2501 (V) 200 3 ქ—Z0 44 σN COANTIT 0 N 72 82 www 454647484950515253545556575858 MENTARY о-v OZC. 를 무구당 햞 **一刀**つ COMX m-d>C <□> DZOC 22. RECEIVED BY 18. TY CONT 5. DOC DATE DOLLARS CTS Scrap Metal/Munitions Debris 17. ITEM NOMENCLATURE Scrap Metal/Munitions Debris 16. FREIGHT CLASSIFICATION NOMENCLATURE Huntsville AL 256-694-5672 Drum UNIT PRICE . QTY. REC'D 8Drums 6. NMFC 19. NO CONT 11.UP 08each TOTAL PRICE DOLLARS 12. UNIT WEIGHT **OE Safety Specialist** 20 CTS 7. FRT RATE TOTAL WEIGHT 4. MARK FOR 2. SHIP FROM 13, UNIT CUBE 8. TYPE CARGO 23. DATE RECEIVED 14. UFC 3. SHIP TO TOTAL CUBE 9. PS 5. <u>'</u>

PerFORM (DLA)

PREVIOUS EDITION MAY BE USED

King of the

Date: 4 Sept 07

10

Barry W. Belcastro, U.S. Naval Research Laboratory (NRL), Washington, DC

(P) 202-767-2461 DSN 297-2461

(F) 202-767-0346

from

Ken Carg.:l Fax: 256-442-1926

Total pages (including cover sheet):

Comment: Attached is the Commercial Bill of Lading for the shipment of the drums to Maryland. Please have the driver sign where I have circled and fax me a copy (at the number above) and give the driver a copy. The pick-up will occur on Thursday (9/6/07). If you have any questions, please call. Thank you!

Picked UP At 13:30 Friday 9/4/7